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The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

Established 1859 28 Essex Street, Strand, London, W.C.2 Registered as a Newspaper

No. 3042
VOL. CXXVIII MAY 28, 1938 Annual Subscription (with Diary) 20/-. Single Copies 9d.

Lilly
TRADE MARK
ALWAYS THROUGH THE DRUG TRADE

ELI LILLY & COMPANY LIMITED
2, 3 and 4, Dean Street, LONDON, W.1
Telephone: Gerrard 2144 Telegrams: Lillypharm, Rath, London
DISTRIBUTING AGENT IN BRITAIN FOR ELI LILLY AND COMPANY, INDIANAPOLIS, U.S.A.

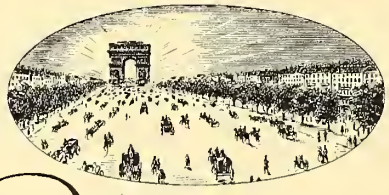
Index to Advertisers, pp. 5 & 6.

AWARENESS

There may be nothing new under the sun but one fact is certain: the world is constantly changing and if a firm wants to prosper it must be aware of every change.

The fact that Guerlain has prospered for over a century is proof that it possesses this quality of awareness, a quality which has enabled it to judge prevailing taste so astutely.

When you handle Guerlain soaps and perfumes you enjoy the advantage of a century-old experience, a very distinct advantage in a business which is so influenced by feminine caprice.



Guerlain

Established since 1828

PRODUCT OF THE GLAXO LABORATORIES

WHY ONE IN SIX OF ALL BRITAIN'S BABIES

are now on

OSTERMILK

THE SUCCESSFUL BABY FOOD

because:

Ostermilk provides planned, progressive feeding—suited to the needs of all babies, from birth to weaning.

Ostermilk is absolutely safe—safer even than T.T. milk, and this safety is itself safeguarded in specially sealed tins.

The curd of Ostermilk is like that of breast milk, easily digested even by the youngest or most "difficult" infant.

Ostermilk contains *added* vitamin D as a measured assistance for the proper growth of bones and teeth and of iron to guard against nutritional anæmia.

The gradual change over (at 3 to 4 months) from Ostermilk No. 1 to the full-cream Ostermilk No. 2 is so *simple* and without risk of digestive upset.

Ostermilk is sold through Chemists at a price which every mother can afford. The 2/- tin makes approx. 6 pints of food.

SUCCESSFUL SELLING *because:*

Chemists make use of the unique Ostermilk "customer-finding" scheme which costs the Pharmacy *nothing*—not even postage stamps.

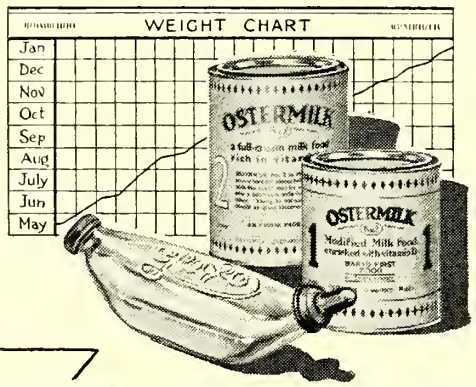
Ostermilk advertising (always convincing, and free from exaggeration), appears prominently and regularly in the largest-circulation National newspapers, the leading Mother-interest journals, and the Medical and Nursing Press.

The new 176-page Ostermilk Baby Book, produced and distributed at considerable expense to scores of thousands of expectant and nursing mothers, is proving the strongest and soundest *selling force* in Baby Food history.

The two Ostermilk foods enable the Chemist to hold the goodwill of the mother right to the end of the feeding period—and this maintains also sales of many other lines a mother buys from a pharmacy.

Doctors and Nurses advise Ostermilk consistently, and grateful mothers recommend it to others. These mothers *look* for Ostermilk in pharmacy windows.

Write for particulars of the "Customer-finding" Scheme.



GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRon 3454

A A

Hair-curling and Grew-some

RHYMES

★ by ★

TILLY

Curly Top, Curly Top, a jolly good line,
Curls all the kiddies' hair ; makes it look fine,
Delights all the mothers ; makes them friends of yours,
Turns them into customers for years and years and years.

★ ★ ★

Vosemar, Vosemar, just think of what it saves,
We don't sing Rule Britannia now for Vosemar rules the waves,
It curls and waves the grown-ups' hair,
And gives you lots of profit—so there !

★ ★ ★

(Father says these rhymes don't scan,
But then you can never please a man,
I always try to get as-many-syllables-into-my-line-as-I-possibly-can.)

★ ★ ★

Both these lines are advertised in all the well-known papers,
All mixed up with A.R.P. and Parliamentary capers,
Displayed on your counter the packs look simply grand,
All wise chemists say these lines just beat the band.

CURLY TOP

trains children's hair to curl naturally. Use a display box of this as the best of all counter attractions. **1/3 large tube.**

Curly Top Soapless Shampoo *makes the hair lustrous and soft. Cleanses the scalp. 12 generous shampoos in tube 1/3*

VOSEMAR

for training ladies' hair to wave naturally. Put one of our display outers on your counter and note how it sells. **1/6 large tube.**

Vosemar Soapless Shampoo *is a sister product. Brings out all the beauty of a lady's hair. 12 generous shampoos 1/3*

VOSEMAR LIMITED
BURY ★ LANCASHIRE

1-2-3-4-

5 Big Points

WHICH ARE MAKING EVE THE MOST POPULAR OF ALL SHAMPOOS

For three years Eve Shampoo Powder has been bought by a satisfied and rapidly increasing public. Now that the same shampoo is in CREAM form — a handy 6d size with an easy-to-use tube — new sales records are being created. There is good reason for this ever-growing popularity of Eve Shampoo Cream and Powder. In fact there are *five* good reasons — *the five big advantages which made Eve the first trouble-free soapless shampoo on the market.*

1 EVE BEAUTIFIES
leaves hair soft, lustrous, in perfect *natural* condition.

2 EVE BENEFITS
both hair and scalp—frees the hair from dandruff, with its attendant troubles; enables scalp pores to "breathe", glands to function normally.

3 EVE IS SAFE
no harmful alkali. Mild, yet efficient, Eve cannot affect the structure of the most delicate hair. Doctors recommend Eve for children.

4 EVE CLEANSES
gently, yet quickly and thoroughly. No soap in Eve, therefore no unhealthy lime-scum.

5 EVE AIDS SETTING
because it leaves no clogging deposits to make hair "difficult". More, Eve cleanses away all scalp waste and dandruff — makes hair manageable.

If you have not already seen the new book "Lovely Hair" by Pierre Auguste, send your trade card to Joseph Watson & Sons Ltd., Department WC.2, Leeds. You will receive your copy by return post.

DISPLAY AND RECOMMEND

Eve Shampoo

POWDER 2D PER PACKET
CREAM 6D THREE SHAMPOOS

EVT 2-29A-100 JOSEPH WATSON & SONS LTD., LEEDS

THE NEW NIVEA SUMMER SHOW!

NIVEA CREME
USE IT ALWAYS FOR YOUR SKIN AND ESPECIALLY IN THE SUN!

NIVEA SKIN OIL
for Skin fitness
IN BOTTLES 1/3 & 2/-

NIVEA CREME

Will be Gladly Sent to any Chemist on Request

25% Bonus Offer Still in Force!

BEIERSDORF LTD.,
WELWYN GARDEN CITY, HERTS.

THOS. CHRISTY & CO., LTD.,
OLD SWAN LANE, LONDON, E.C.4.

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WHY 'MOORLAND' DISPLAYS PAY

- Ever-increasing public demand.
- All-the-year-round seller.
- Effective remedy for stomach troubles.
- Over 40% profit on a nationally advertised proprietary line.
- *The Public will have*

MOORLAND BRAND INDIGESTION TABLETS

W. B. CARTWRIGHT LTD., RAWDON, LEEDS

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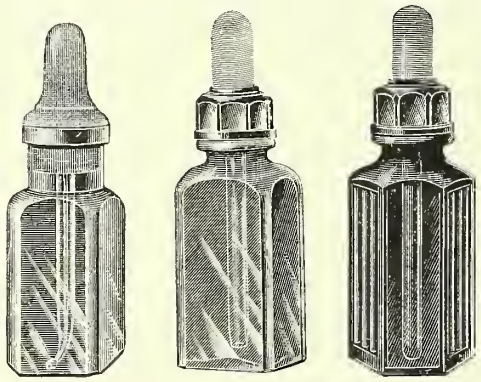
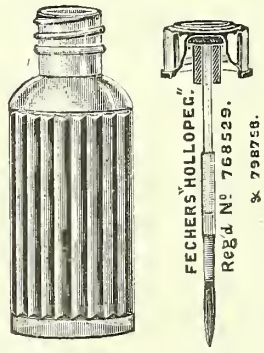


"Regulator" 308 — "Oiltite" Amber Square 800 — "Oiltite" Blue Poison 801

NEW REDUCED PRICES of OILTITE DROP BOTTLES

		¼	½	1	2 oz.	
THE "REGULATOR"	old	4/-	4/3	5/-	6/-	doz.
	new	3/6	3/9	4/-	5/6	,,
THE "OILTITE" SQUARE	old	4/9	5/3	5/9	6/3	,,
	new	4/-	4/3	5/-	6/-	,,
BLUE POISON	new		4/-	4/6	dozen	



817W — 817WF

FOR IODINE BOTTLES SPECIFY ALWAYS "HOLLOPEG" BAKELITE CLOSURES

THE "HOLLOPEG" CAP GIVES GRIP TO THE FINGERS, MAKES BRUSH OR GLASS PEG FOOLPROOF AND COSTS NO MORE.

PRICES:—

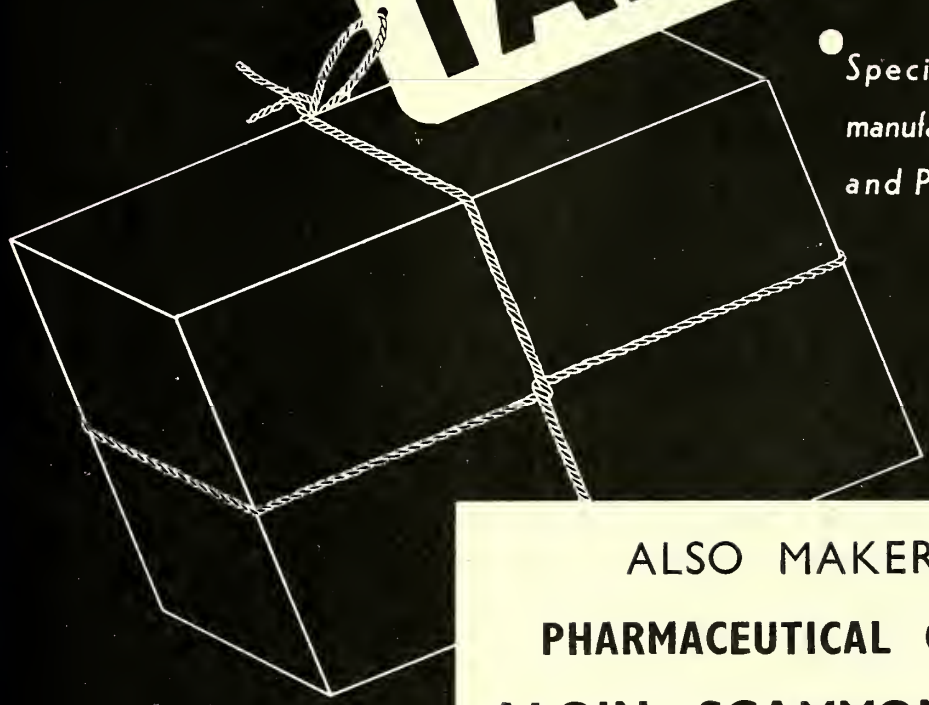
	¼	½	1	2 oz.	
WHITE	2/-	2/6	3/-	3/9	doz.
AMBER	2/4	2/9	3/3	4/-	,,

From Wholesale Houses or from the Makers:

M. J. FECHER LTD., 10 Dod Street, London, E.14

'PHONE: EAST 3228 ESTABLISHED 1891

Richardson's TABLETS



• *Specialists in the manufacture of Tablets and Pills since 1793*

ALSO MAKERS OF

PHARMACEUTICAL CHEMICALS

ALOIN, SCAMMONY RESIN, GALENICALS, SALINES, EMULSIONS, CAPSULES

WHOLESALE & EXPORT ONLY

JOHN RICHARDSON & CO.

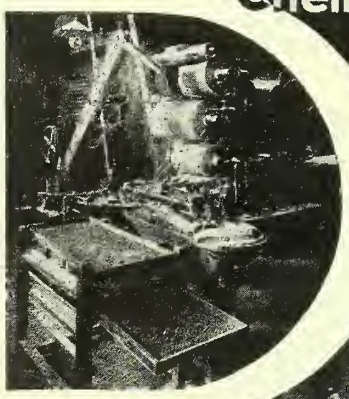
(LEICESTER LTD.)

Manufacturing Chemists

EVINGTON VALLEY ROAD, LEICESTER

Private Formula work

Pills and Tablets
manufactured under the control of
Analytical and Qualified Chemists



ONE OF OUR LARGE 'PILL MAKING' MACHINES

Below: SPECIAL COATING

Coated or Uncoated

Bulk or Packed

A SECTION OF OUR BOX MAKING AND SHOW-MATERIAL DEPT.

Exceptionally keen prices

COX *Estab. 1839*
ARTHUR H. COX & Co. LTD.
of BRIGHTON

OF VITAL INTEREST
to the
CHEMIST-OPTICIAN

THE MARK OF ENTERPRISE

There is no surer and better way of attracting optical business than by utilizing our

INSTRUCTIVE COUNTER FOLDERS *on* 'OPTICS'

These "give-away" counter folders are really attractively written and printed. They contain instructive readable optical "talk" which will quickly draw the attention of every customer to the optical side of your business. There are two equally interesting folders and whether you choose one or both you will find them the quickest and most economical method of drawing attention to your "optics" business.

STOCK DRUG & TABLET CARTONS

The new designs of "Stock" Cartons will enhance your "own name" products and make them distinctive and exclusive. Send for full details and prices.

Write at once for full details of the new "Harrison" Sales Aids. They're even better than their predecessors.

Complete set of samples sent to Colonies on receipt of postal order 10/- which will be credited on £5 order.

Head Office & Works: BURLEY ROAD, LEEDS 4
London Office: SENTINEL HOUSE, SOUTHAMPTON ROW, W.C.1
Established 1878

ALF HARRISON & SONS LTD
CHEMIST'S AND ADVERTISING PRINTERS

StaffAllenS

TERPENELESS ESSENTIAL OILS

are made from the best quality raw materials and are of a very high standard

BERGAMOT **NUTMEG**
LEMON **PEPPERMINT**
ORANGE **LAVENDER**

etc.

A complete list of Terpeneless Oils will be sent on request

STAFFORD ALLEN & SONS LTD.

TEL.: CLERKENWELL 1000 (7 LINES) **WHARF ROAD, CITY ROAD, LONDON, N.1.** TELEGRAMS: STAFALENS NORDO, LONDON

A TIMELY SUGGESTION TO DISPLAY

EPHREGEL

(EVANS)

A NON-GREASY NASAL JELLY
CONTAINING EPHEDRINE AND ADRENALIN
COMBINED WITH SUITABLE ANALGESICS

FOR PROMPT RELIEF IN

HAY FEVER

Our sales efforts are backed by suitable propaganda with the Medical Profession

In Collapsible Tubes fitted with nozzle. Price 12s. per dozen net.
Bonus 13 to the dozen.

Evans Sons Lescher & Webb Ltd.
LIVERPOOL **LONDON**

"Rushing into Print"
AND OTHERWISE

Before the wheels turn quickly thought should turn carefully. When the question of labelling his new preparation arises, the wise pharmacist employs a service which ensures absolute satisfaction—because the thought is *right* and its execution and the speed of delivery and the price : a special service such as we offer, for the greater safety and sales of the profession at no greater cost.

Chemists' Printers since 1842

Rely for labels on . . .

FORD, SHAPLAND & CO. — LTD.

Great Turnstile, High Holborn

LONDON, W.C.1 *Holborn 4695*

We also supply Bags, Envelopes, Dispensing Labels, Wrapping Paper, Prescription Books, Handbills, Toothbrush Envelopes.

Est. 1844

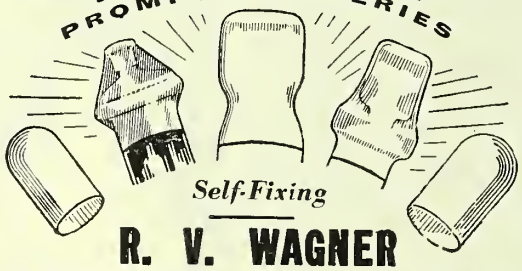
C. OLLEY & SONS LTD.

CAMPERDOWN ST. & GREAT ALIE ST., LONDON, E.1.

Telephone: Royal 2868.
Telegrams: Circumference, Edo, Lonoon.

WAGNER'S DRY BOTTLE CAPS

BEST IN QUALITY & APPEARANCE
PROMPT DELIVERIES



Self-Fixing

R. V. WAGNER

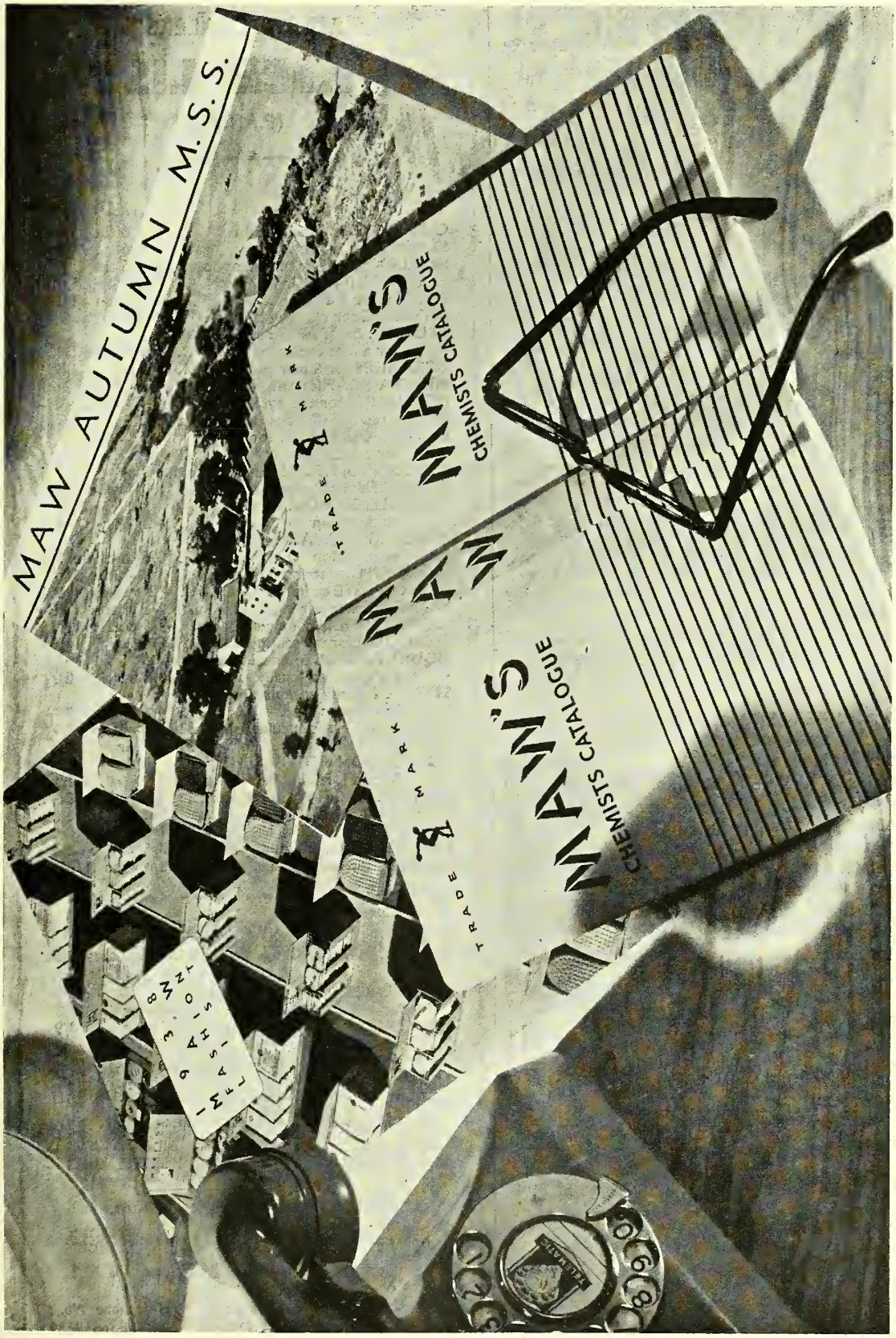
33 BROOKE ST., LONDON, E.C.1 *Tel. Holborn 5090*

SPECIAL OFFER OF:—

Good Quality Dispensing Bottles

WHITE FLINT · MACHINE MADE
GRADUATED · 8 ozs. **12/-** per gross
Carriage Paid in 5 gross lots within 100 miles
Packages Free

SAXTON GLYNNE BOTTLE CO. LTD.
LIVERSEDGE, YORKS



FOR SALES PROMOTION MATTER THAT REALLY HELPS—
THE HOUSE OF MAW—DO YOU USE OUR NEW GENERAL CATALOGUE?

FAMILIES EVERYWHERE ARE BUYING

3 generous shampoos for 6d!

BRYLFOAM

THE *Family* SHAMPOO

● No wonder BRYLFOAM's selling so well! It's such excellent value for money! Moreover, families everywhere are discovering that BRYLFOAM's the ideal shampoo for every type of hair, dry or greasy–man's, woman's or child's. Send for display material NOW! And link up with the National advertising for this profitable new line.

Not sold by Chain Stores or Grocers

37½% PROFIT ON EVERY TUBE!

PLEASE POST THIS COUPON

To: The County Perfumery Co., North Circular Road, West Twyford, London, N.W.10

Please ask traveller to call.

NAME.....

ADDRESS.....

RETAIL DEALERS'

PRICE LIST

(P.A.T.A.)

	Min. P.A.T.A. Retail Price	Price to Dealer
CLEMINITE for a face lotion ...	2/6 tin	1/10½
STALLAX for a shampoo	2/6 tin	1/10½
STALLAX (Small) for a shampoo ...	1/6 tin	1/1½
PHEMINOL for a hair remover ...	4/– jar	3/–
PERGOL for a deodorant	2/6 tin	1/10½
JETTALINE for clearing the skin ...	3/6 tube	2/7½
ALLACITE of ORANGE BLOSSOM for a face cream	2/6 tube	1/10½
BORANIUM for a hair tonic ...	2/6 tin	1/10½
PILENTA SOAP for the complexion	1/– tablet	10d.
MENNALINE for the eyelashes ...	4/– tube	3/–
COLLIANDUM (Solide) for a face tint	2/6	1/10½
COLLIANDUM (Refill for Solide) for a face tint	1/6	1/1½
COLLIANDUM (Powder) for a face tint	2/6	1/10½
PROLACTUM for the lips	1/– tube	10d.
MERCOLIZED WAX for the complexion ...	2/– jar	1/4
MERCOLIZED WAX for the complexion	3/6 jar or tin	2/4
PARSIDIUM an astringent face jelly	1/– tube	10d.
TEKKO PASTE camphor cream ...	2/6 tube	1/10½
SILMERINE hair curling fluid ...	2/6 bottle	1/10½
TAMMALITE hair colour restorer ...	2/6 bottle	1/10½
BICROLIUM for whitening the hands	2/6 jar	1/10½
LIQUID PERGOL to check excessive perspiration locally	3/6 bottle	2/7½
STYMOL for oily complexions and blackheads	4/– bottle	3/–
COCONOIDS for figure development	3/6 bottle	2/7½
SIPOLITE a hair remover	2/– jar	1/6
COMPLEXION POWDER Natural, Rachel 1, Rachel 2, Golden Tan	1/9	1/2
POWDER CREAM Natural, Rachel	1/– jar	8d.
FOUNDATION CREAM... ...	9d. tube	6d.
FOUNDATION CREAM... ...	1/3 tube	10d.
LIP STICK Dark, Medium, Natural	3/6	2/4
LAVALLA sun tan cream... ...	2/6 tube	1/10½

The Products of

Messrs. PARKER, BELMONT & CO.

CLYNOL BERRIES (unstamped) for obesity	4/– jar	2/8
SOFT PALERIUM for wrinkles	5/– jar	3/9

A Bonus of 10% is allowed on orders of £3 for cash with order and display, or through your wholesaler.

ALL OTHER ACCOUNTS STRICTLY NETT.

Order from Your Wholesaler, or from:

DEARBORN (1923) LIMITED

37 Gray's Inn Road, London, W.C.1

Cable and Telegraphic Address: JAVEDAN, HOLB, LONDON

Telephone No.: HOLborn 9669

Evening in Paris PERFUME

REDUCTION IN PRICES

Important Notice

Owing to the immense and still growing popularity of this exquisite and much favoured perfume and the consequent greatly increased production, coupled with the decreased cost of essential materia's made possible by the lowering of the value of the franc, we are able to announce the reduction in the prices of the three sizes that have hitherto retailed at 3/9, 7/6 and 12/6

On and from Sept. 1st, 1938, the retail prices will be reduced to 3/6, 6/6 and 10 6 respectively

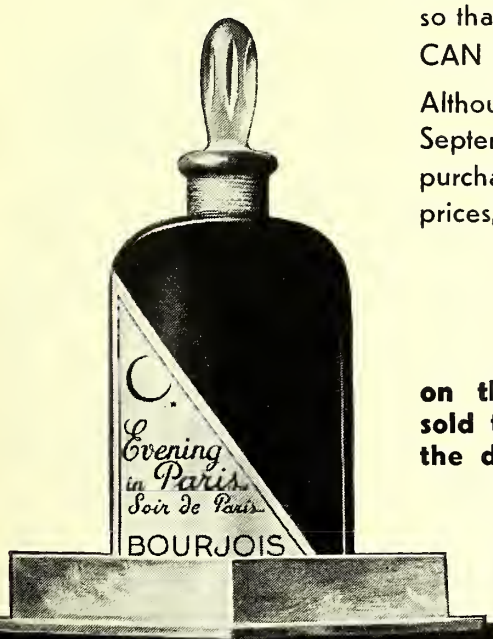
Notice of these alterations is hereby given to enable our numerous customers (both retail and wholesale) to dispose of their present stocks at the old prices **before 1st September,** so that any loss of profit may be avoided. NO CREDITS CAN BE ALLOWED UNDER ANY CIRCUMSTANCES.

Although the new retail prices do not come into effect until September, the three sizes of perfume concerned can be purchased by the trade from 1st June at the reduced prices, namely:—

Cat. No	1296	**28/-**	per doz
,,	1297	**52/-**	,,
,,	1298	**84/-**	,,

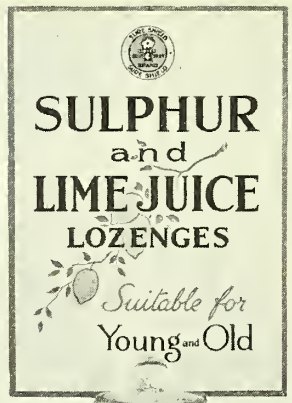
on the distinct understanding that they are not sold to the public at the reduced retail prices until the date specified.

The new prices will undoubtedly open up a still wider market and our friends in the trade are urged to be ready for the increased demand, which will be further enhanced by a special advertising campaign of exceptional attractiveness and extent.



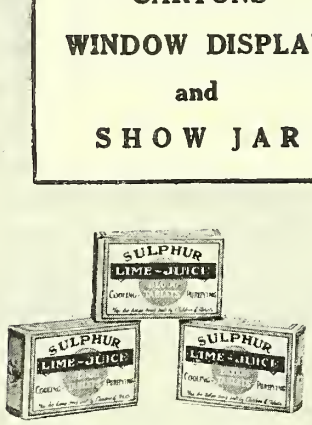
BOURJOIS

BOURJOIS LTD., QUEENS WAY, CROYDON, SURREY. *West End Showrooms:* 2-5, OLD BOND STREET, LONDON, W.1

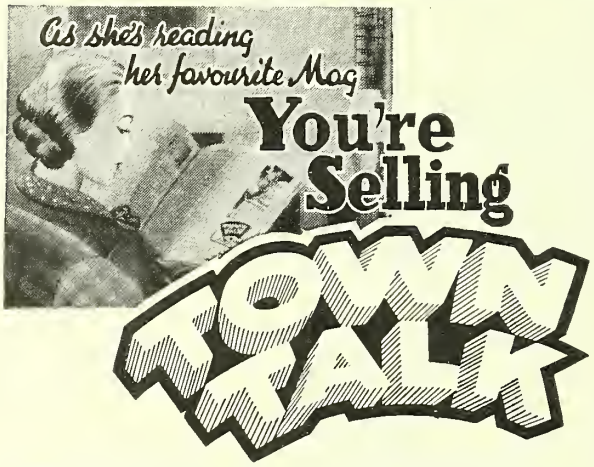


CARTONS
WINDOW DISPLAY
and
SHOW JAR

Thos. Guest & Co. Ltd.
CARRUTHERS STREET
ANCOATS
MANCHESTER



SAMPLE AND PRICE ON REQUEST



'TOWN TALK' advertising in her favourite magazine has made her one of your most regular customers. Regular, because once she's tried 'TOWN TALK' Silver Polish she'll use no other. And remember she's not the only one, for 'TOWN TALK' Silver Polish is consistently advertised in National Daily Newspapers and high class Women's Journals, the combined nett sales circulation of which is over 15,000,000 monthly. Therefore new users are constantly increasing.

Display these repeat order profit-bearing lines, and get your share of this increasing business.

ORDER DIRECT OR FROM

MANCHESTER:
D. Mawdsley & Co.
James Woolley Sons & Co., Ltd.
LEEDS:
Goodalls (Leeds) Ltd.
LEICESTER:
E. H. Butler & Son.
LONDON:
Brooks & Warburton, Ltd.
May, Roberts & Co., Ltd.
Butler & Crispe
LIVERPOOL:
Ayrton, Saunders & Co., Ltd.

THE TOWN TALK POLISH CO., MANCHESTER, 10

English Filter
POSTLIP
Papers

SQUARES
CIRCLES
FOLDED
ROLLS

WHITE
GREY
PLAIN
ANTIQUE
EMBOSSED
CRINKLED

SAMPLES
FREE

Postlip Filterings are stocked by all the leading Wholesale Laboratory Dealers.

Evans, Adlard & Co. Ltd.
Postlip Mills, Winchcombe, Cheltenham.

ANTISEPTIC HEALING CREAM

The famous Pink Ointment in the Red and White Box

with a greater sale than all others in its class, is now supported by this fine

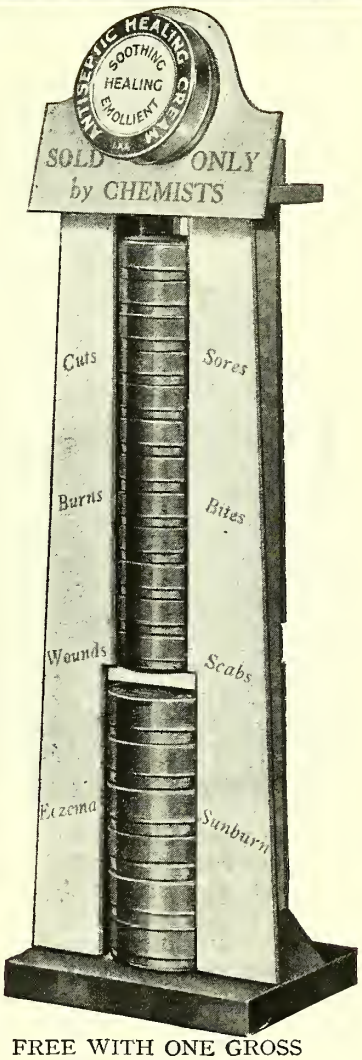
DISPENSER DISPLAY UNIT

Antiseptic Healing Cream is a "Chemist's Own" item, without proprietary garb, unstamped and saleable only by chemists. The product, although the formula is published, has never been approached by others in elegance of manufacture or efficacy in use. It has won for Ayrtons a world-wide renown as producers of the finest ointments and cremors.

The Display is soundly constructed with laminated wood, highly finished in red and primrose cellulosed colours, washable and permanent. Its counter-space is a mere six inches; it holds one dozen small and half-a-dozen large tins, which are served to the customer by a finger-tip push of the bottom tin through the relative aperture. The canopy carries an actual specimen of the famous tin and forces home the "chemists only" quality argument: on each side of the column the uses are emphasised. Customers have already written, "*Sales jumped immediately.*"

DISPLAY GRATIS WITH FIRST ASSORTED GROSS

	doz.	gross	3-gross	5-gross	10-gross
SMALL SIZE	2/-	22/6	21/6	20/-	19/-
LARGE SIZE	3/9	42/-	41/-	40/-	38/-



FREE WITH ONE GROSS ASSORTED SIZES

BRIGHTEN UP YOUR TOOTHBRUSH DISPLAY

FREE DISPLAY STAND

AYRTONS ARE

even with lines which are not covered by the C. F. SCHEME

ASCOL TOOTHBRUSH DISPLAY.

Solidly built of wood and brilliantly cellulosed. Fitted with one of each model ready for counter-display. Each brush celloclear wrapped and sealed.

	Per Doz.
No. 6 Popular concave tufted ...	4/6
,, 7 Shorted, convex	7/6
,, 8 Concave, White	7/6
,, 9 Prophylactic	7/6
,, 11 Child's tufted concave ...	4/-
,, 12 Ladies' concave	7/6
,, 13 Concave prophylactic ...	9/-
,, 14 Shorted, assorted	10/-
,, 15 Straight chiselled	14/-

Free with any assortment value approximately fifty shillings including the displayed set, trade value 6/-. No charge whatever for display stand.

AYRTONS (AND AT DUBLIN) LIVERPOOL

BEATSON, CLARK SERVICE

Sterilized Bottle Service for Dispensers ★

The Beatson, Clark Service in "ready-for-use" washed and sterilized dispensing medicals, handily packed in cartons, has been used by many of our customers for years, and with great satisfaction, for it saves busy dispensers both time and trouble.

The bottles as you take them from the carton, can be relied upon, for each has been washed several times, inside and out in hot distilled water, dried with filtered hot-air and oven baked, and enclosed and inserted in the carton *immediately* on emergence from the oven. It is thus free from any possible contamination and can be put straight into use.

This service applies to all forms of bottle and closure (cork mouth, moulded cap, metal screw cap).

Particulars of sizes and quantities packed in cartons:

Up to and including 8 oz. size	*3 dozen*
10 and 12 oz. sizes	*2 dozen*
16 and 20 oz. sizes	*1 dozen*

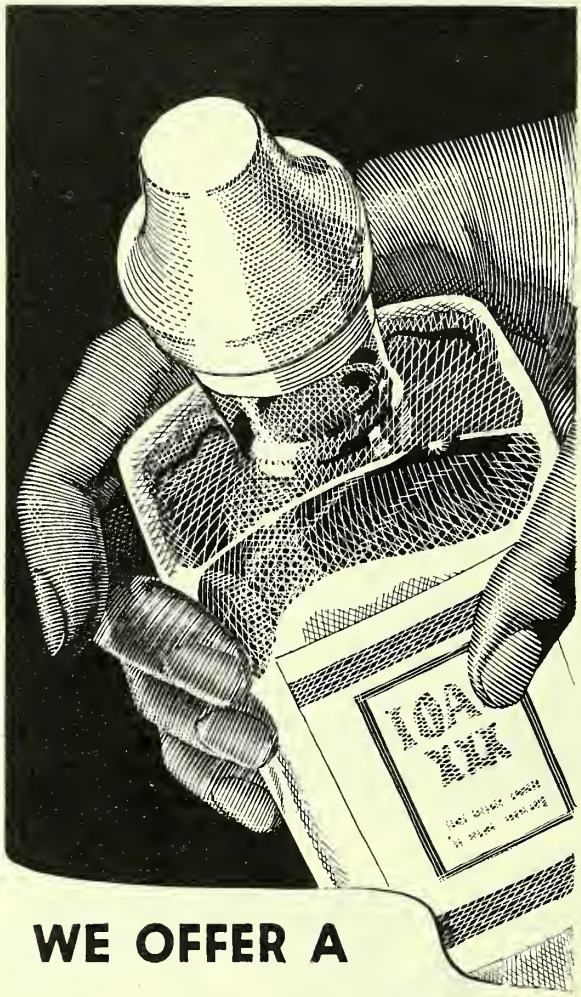
BEATSON, CLARK & CO., LTD.

MANUFACTURERS OF

Chemical & Medical Glass

ROTHERHAM YORKS.

B.C.19



WE OFFER A

BOTTLE CAPPING

Giving the following advantages - -

SPEED — PERFECTION OF FINISH—MINIMUM WASTE

In Standard Colours—**Black, Red, White** or **Blue.** Special Colours and Shades to order

PRICE 12/- TO 15/- PER GALLON ACCORDING TO QUANTITY

● May we give you the pleasure of testing it? Write for FREE sample C.S.I. to the address below.

DOPE DEPT. BRITISH CELANESE LTD., HANOVER SQ., LONDON, W.1

A FAMOUS NAME

ALFRED Count d'Orsay... even today his name brings back memories of the luxury and splendour of the gay mid-nineteenth century. In London, magnificent fêtes and receptions took place daily in the sumptuous mansions of Society, where the elegant dandies, vied with one another in dress and deportment. D'Orsay's perfect taste was legendary. His dress was both simple and luxurious and his surroundings breathed refinement. On horse-back in Hyde Park in the mornings, the elegant Chevalier was the admiration of all the dandies and he was stopped frequently by ladies of his acquaintance who sought his opinion on their robes.

The first article of d'Orsay's creed was a belief in quality, and this belief was the secret of his legendary fine judgement. Today this good taste allied to the search for quality, is also the creed of the Parfumerie d'Orsay. Always ahead in the utilisation of modern science, this House nevertheless remains faithful to the traditions of refinement and good taste which have made its reputation. For this reason it is generally admitted that all the Perfumery products branded D'ORSAY are elegant, in perfect taste, and of the best quality.

D'ORSAY, Parfumeur, 17, Rue de la Paix, Paris

54 GEORGE STREET (BAKER STREET), LONDON W.1

Are you ready for NURONA's 5th year of popularity?

This is a one-colour reproduction of the **FULL COLOUR "NURONA" SHOWCARD** *for the 1938 season.*

WHITE OR TAN
4 oz. size, 1/-

New Retail Price
(from May 1st)
7/6 per dozen

Bonus terms on application

Also NURONA Sun Tan OIL
4 oz. size, 1/-

Biggest Value in

SUN
-TANNING
-PROTECTION
-BURN RELIEF

Nurona was the first "TRIPLE-PURPOSE" Sun-tan Cream. Made to a formula originally designed for sun-ray practitioners, its efficiency remains unsurpassed.

Nurona assists rapid tanning—it prevents sunburnt skin—it relieves painful sunburn. The price is as popular as the product, too. At 1/- a bottle it finds a ready sale.

GET YOUR STOCK EARLY

JAMES WOOLLEY, SONS & CO., LTD., Victoria Bridge, MANCHESTER

WN 20

recommended by the medical profession — proof of dependability

Often is the chemist asked for a contraceptive that is really reliable and harmless to use under all circumstances and conditions. There is only one answer RENDELLS. To offer any other brand may mean the loss of a valued customer, because your opinion, and the quality of goods sold is based upon this important sale.

Rendells can always be suggested with complete confidence. It is a product which has a 50 years' international reputation and is prescribed by Doctors when conditions require the use of a contraceptive.

Add your own recommendation too — it will be appreciated by your customer.

W. J. RENDELL LTD HARDWICK HOUSE 161/165 ROSEBERY AV. LONDON E.C.1.

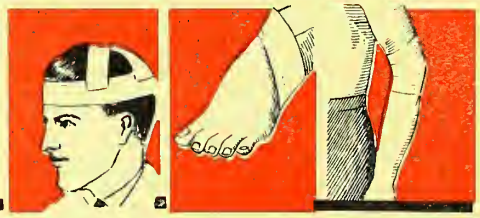
Yes Madam – the very latest in bandages

- ADHERES FIRMLY WITHOUT UNSIGHTLY TYING
- DOES NOT ADHERE TO SKIN OR HAIR
- LEAVES NO UNSIGHTLY DEPOSIT ON THE SKIN
- WATERPROOF AND ANTISEPTIC
- ELIMINATES KNOTS, PINS OR ADDITIONAL FASTENING
- EASY TO FIX AND EASY TO REMOVE

PLASTRIP

First Aid

ANTISEPTIC SELF-ADHESIVE BANDAGE



Made in 1", 2" and 3" widths, 4 yards long. Packed in attractive display outers containing four dozen one-inch, two dozen two-inch, or sixteen three-inch, retailing at 3d., 6d. and 9d. respectively. Obtainable through your usual Wholesaler.

For export terms apply to Sole Manufacturers:

DUKE PHARMACEUTICAL Co., Ltd.
123 DUKE STREET, LIVERPOOL

★ To the Assistant or Manager contemplating his own Pharmacy.

★ To the Proprietor contemplating a re-fit or new Branch.

★ To the Company Shop Proprietor contemplating a new Store.

★ To any Chemist requiring any shopfitting from the smallest Showcase.

CONSULT

Philip Josephs & Sons Ld.

Pharmacy fitters for over a century

'Phone : Clerkenwell 4111-2 90-92 ST. JOHN ST., CLERKENWELL, LONDON, E.C.1

BEAUTIFUL

Glassware

We create and manufacture high quality glassware for cosmetics and perfumery

WOOD BROS. GLASS CO. LTD.

ESTABLISHED 1828

BARNSLEY ENGLAND

These two Remedies are always backed by

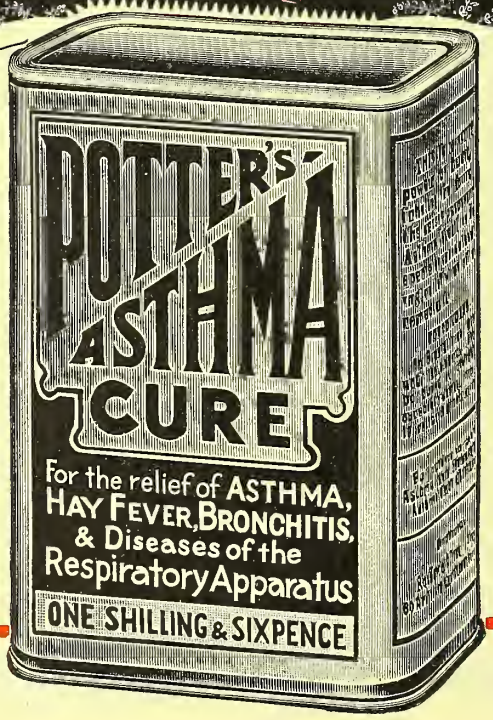
★ **BONUS TERMS**
★ **NATIONAL ADVERTISING**
★ **60 YEARS A HOUSEHOLD WORD**

POTTER'S ASTHMA & CATARRH REMEDIES

Consistently advertised in all the great national newspapers thus ensuring a big demand

P.A.T.A. 1/3, 11/- Doz.
Packed in ½ Doz.

POTTER & CLARKE LTD.



Retail 1/6, Wholesale 14/- doz.
Packed in ½ Doz.

60-64 ARTILLERY LANE, LONDON, E.1
'PHONE : BISHOPSGATE 4761 (5 lines)
'GRAMS: HOREHOUND, PHONE, LONDON

77 DANTZIC STREET, MANCHESTER, 4
'PHONE: BLACKFRIARS 8734
'GRAMS: HOREHOUND, MANCHESTER

BONUS TERMS
POTTER'S ASTHMA REMEDIES

On orders for 6 dozen Potter's Asthma Remedies and/or Catarrh Pastilles we offer a bonus discount of 5% (Journey account, or if no journey, monthly account) in return for a window display of these goods. The prices of Potter's Advertised Remedies are

POTTER'S ASTHMA CURE 14/- doz.
POTTER'S ASTHMA CIGARETTES 14/- doz.
POTTER'S SMOKING MIXTURE 7/- doz.
POTTER'S CATARRH PASTILLES 11/- doz.

Crookes'
LACTO-CALAMINE

ON THE AIR AGAIN, FROM
RADIO
LUXEMBOURG
TO HELP YOUR SUMMER SALES

We are telling listeners to call on *you!* So link up with this fine advertising — which proved so successful last year, and will be on the air every week throughout the summer — by devoting a full window display to Crookes' Lacto-Calamine Lotion and Talcum Powder. Write today for full details, free specimens, show material, counter leaflets and special bonus terms.

THE CROOKES LABORATORIES (*British Colloids Ltd.*), PARK ROYAL, LONDON, N.W.10
Telephone: Willesden 6313 (5 lines) Telegrams: Collosols, Harles, London

WE MAKE SHAVING BRUSHES FROM SUPERFINE BADGER TO PURE HOG

ASK YOUR WHOLESALER FOR THIS ATTRACTIVE DISPLAY STAND AND OUR KEEN PRICE CATALOGUE

OR WRITE DIRECT TO

FORSTER
BRUSHES LTD.
15 HATTON WALL
HATTON GARDEN
LONDON, E.C.1

'GRAMS : SUBRUSCO, SMITH, LONDON
'PHONE : CHANCERY 8631
CABLES: SUBRUSCO, LONDON
ESTABLISHED 1840

WANIE BLADES

EVER READY TYPE

FOR QUICK CLEAN SHAVES

The range of popularly priced Wanie Blades are all supplied in attractive packets. "Sales Aid" Showcards are available.

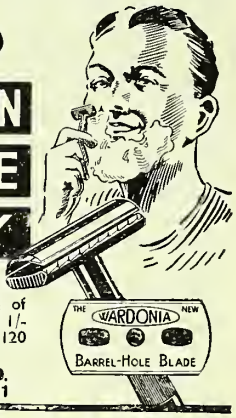
THREE HOLE TYPE
8/-, gross. Retail 12 for **1/-**
AUTO TYPE
9/-, 100. Retail 10 for **1/3**
EVER-READY TYPE
9/-, 100. Retail 10 for **1/3**
33⅓% IS YOUR PROFIT
DISPLAY SHOWCARDS FREE TO ALL STOCKISTS

Dealers and Wholesalers should write for FREE SAMPLES and Trade Terms.

LONDON & PROVINCIAL FACTORS LTD
146 THEOBALDS ROAD LONDON, W.C.1.
and at 16 Withy Grove, Manchester

WARDONIA

A CLOSE, CLEAN QUICK SHAVE EVERY DAY



Your customers will prefer the fine shaving qualities and long life of Wardonia Barrel-Hole Blades. Order NOW—large range of display material free. Blades retail 4 for 1/- and 10 for 2/6. Cost 21/- per box of 120 blades.

Sole Makers : **THOMAS WARD & SONS, LTD.**
Wardonia Works, Sheffield, 1

TAPERED, PYRAMID, DOMED AND FLANGE **CORKS**

COMPOSITION AND BAKELITE **STOPPERS**

THE MOST COMPETITIVE MANUFACTURERS IN THIS COUNTRY

MUNDET CORK PRODUCTS, LTD.
12/18 ABBEY ST., TOWER BRIDGE ROAD, S.E.1

Telegrams : MUNDETCOMP, BERM, LONDON
Telephone : HOP 2043-4-5

CUSSONS' 6D

WHITE CROSS

Baby Powder

- **Packed in attractive ¼ doz. display outers**
- **Quality unchanged**
- **Trade Discount 33⅓%**

Wholesale enquiries direct to CUSSONS

THE IDEAL POWDER FOR TOILET AND NURSERY USE

CUSSONS SONS & CO. LTD.

KERSAL VALE, MANCHESTER

London Showrooms: Norwich House, Southampton Street, High Holborn, W.C.1

"National" Service

NEW FIELD OF GLASS CONTAINER

Manufactured in best quality white flint—WITH USUAL "NATIONAL" CARTON PACKING.

Can be supplied complete with screw caps.

MAY WE ADVISE YOU THE NAME AND ADDRESS OF NEAREST "NATIONAL" STOCKIST?

NATIONAL GLASS WORKS (YORK) LTD.

Works: Fishergate, York *Phone: York 3021* **London Office: First Avenue House, High Holborn, W.C.1** *Phone: Holborn 2146*

EUCRYL DENTIFRICES

BOUGHT ON DISPLAY TERMS YIELD -

PROFIT ON SELLING PRICE	PROFIT ON BUYING PRICE
43%	75%

SHOWCARDS ON REQUEST

EUCRYL LTD. MANUFACTURING CHEMISTS **SOUTHAMPTON**

A Profitable Line . . .

PYRONIL

A Gum Massage Preparation

Recommended by Dental Surgeons for Gingivitis, painful gums and allaying the onset of Pyorrhœa

Specially designed massage brush in each carton

RETAIL PRICE

4/-

Send for full details and Trade Terms

PYRONIX LTD.

3 DUKE STREET, ADELPHI, LONDON, W.C.2

ALL OVER THE COUNTRY PEOPLE ARE ASKING FOR—

THE STRENGTH OF SAMSON

Samona

MAKES LIFE ANEW

REG^D

The new medical product for Neurasthenia, Nerve Strain, Impaired Vitality, Depression, Inability to Concentrate, General Weakness, Change of Tissues, Hardening of the Arteries, Tired and Listless Appearance, Insomnia, Mental and Physical Exhaustion.

P.A.T.A. TERMS

From all Wholesale Houses

BE READY TO MEET THIS DEMAND

For Showcards, &c., apply to :

SAMONA LTD., 16-18 Charterhouse Street, London, E.C.1

JACKSON-CROCKATT
PATENT
PACKING MACHINES
FOR ALL POWDER MATERIALS
Various types for Powders and Plastics

"JUNIOR 45" PACKING MACHINE
with washable stainless steel hopper. Quickly dismantled for cleaning.

For Packing—To uniform density, Face Powder, Toilet Powder, Maclean's Powder, Magnesia, Curry Powder, etc.

Self-Contained Motor Drive

J. G. JACKSON & CROCKATT Ltd.
***Engineers,* DARNLEY STREET, GLASGOW, S.1**

DO YOU MIX A FEW POUNDS

Even if you have occasion to mix only a few grains of this with a pound or two of that, you'll find it pays to use a Gardner Mixer because it's quicker and ensures absolutely uniform distribution of the various ingredients. Ounces, cwts . . . . . .

... or a few tons? They're all the same to a GARDNER
Patent "Rapid" **MIXER**

WM. GARDNER & SONS (GLOUCESTER) LTD.
Bristol Road, Gloucester
Telephone : 2288 *Telegrams : " Gardner, Gloucester "*
London : 19 Gray's Inn Chambers, 20 High Holborn, W.C.1
Telephone : Chancery 7347

Glass Bottles for TOILET & PERFUMERY
Distinctive Bottles Promote Sales
Pendred & Heim, 40 Trinity Sq., E.C.3
TELEPHONE ROYAL 3659-4042

Ah.. Veloshave!
SKIN TONIC BRUSHLESS SHAVING CREAM 6d. & 1/-
RENÉ COS LTD., 44 WEST GEORGE ST, GLASGOW, C.2

Senna
FROM OUR OWN GROWERS
Alexandrian & Tinnevelly Pods Leaves Siftings
John Ronaldson & Co. 15 Seething Lane, London.

"CRITELLI"
VIRGIN CREAM OLIVE OIL
GUARANTEED 1st PRESSING
Packed in 1 gall., free tins
Write for samples and prices to:
C. A. CRITCHLEY & CO. LTD., *Manufacturing Chemists,* **BLACKBURN**

WILLIAMS' Shaving Preparations
KHASANA Lipstick & Blush Cream
SILVIKRIN Hair Treatments
KEMDEX Denture Cleanser
Sole Distributors:
SCOTT & BOWNE, LTD.
10/11 STONECUTTER ST., LONDON, E.C.4

POUDRE TOKALON
THE MOST POPULAR FACE POWDER IN THE WORLD
Always heavily advertised. Easy to sell.
All products guaranteed.
TOKALON LTD., Chase Road, London, N.W.10

ENDOCRINOLOGY
The very latest advances in this rapidly developing subject are fully reviewed in THE PRESCRIBER for May, which is a double number, price 4s. 6d. post free
ORDER EARLY
THE PRESCRIBER OFFICES, 65 Castle Street, Edinburgh 2

DOLS' VOLATALISE FLANNEL
indicated in all cases of
RHEUMATISM
NEURITIS, SCIATICA
LUMBAGO, Etc.
Measurement charts, interesting literature and details of attractive terms gladly sent on application.
DOLS VOLATALISE FLANNEL LTD.
VIADUCT STREET, HUDDERSFIELD

URICURE TABLETS
REG'D.
The Greatest of all Rheumatic remedies
A LINE THAT ONLY CHEMISTS CAN SELL
1/3 size, 7/-; 3/- size, 17/6; 5/- size, 25/- per doz.
The Acton Pill & Tablet Co. Ltd., Ash Vale, Surrey

GLYCERINE
The Purest Quality on the Market. Produced by
THOMAS HEDLEY & CO. LTD., TRAFFORD PARK
Chemically Pure B.P. Pale Straw.
Sole Distributors:
FREDK. BOEHM LTD., 17 Jewry Street, London, E.C.3. and 140 West George Street, Glasgow.

OPTICAL TUITION
FOR THE
S.M.C., B.O.A. and N.A.O. DIPLOMA Examinations
Particulars:—
C. A. SCURR, F.S.M.C., F.B.O.A., F.N.A.O., F.I.O., F.C.O., M.P.S.
50 HIGH STREET, BARNET, LONDON, N.

TREBLES SHOP FITTERS SHOP FRONT BUILDERS
PHARMACY FITTERS for over a Century
549a Lea Bridge Road, Leyton, London, E.10

F. MAUND & E. BERG (SHOWCASES) Ltd.
SHOPFITTERS & SHOPFRONT BUILDERS
175/9 OLD STREET, LONDON, E.C.1
Telephone: Clerkenwell 1782/3
are offering for sale, at competitive prices, an extensive and exceptionally full range of Chemist's Fittings, Second-hand and New.

THE "Lady Nicotine" Regd.
A popular Ladies' Brush
HARD WHITE
HARD YELLOW

W. R. TILBURY & SON
47 Frampton Park Rd., London, E.9
Est. 1880

In step with modern tendencies

'TABLOID' TEA

Trade Mark *Brand*

A boon in this age of speed.

Tea of uniform strength and exceptional quality, quickly and easily prepared on tour, in the home, the shop or the office.

A display at this outdoor season, is always worth-while.

Sales-promotion material available to Pharmacists, on request

London Prices to the Trade (subject)
Tins of 100 products at **10/9** per doz. tins
200 products at **18/0** per doz. tins
SPECIAL BLEND, 100 products at **16/0** per doz. tins

TRADE MARK **'TABLOID'** BRAND **'SAXIN'** TRADE MARK

Occupies but little space. Each gr. 1/4 product has the sweetening power of one large, or two small lumps, or one teaspoonful of sugar.

London Prices to the Trade (subject)

Bottles containing 100 products at **12/6** per doz. bottles; 200 at **23/6** per doz. bottles; and 500 at **54/6** per doz. bottles

Reduced facsimile

BURROUGHS WELLCOME & CO., LONDON

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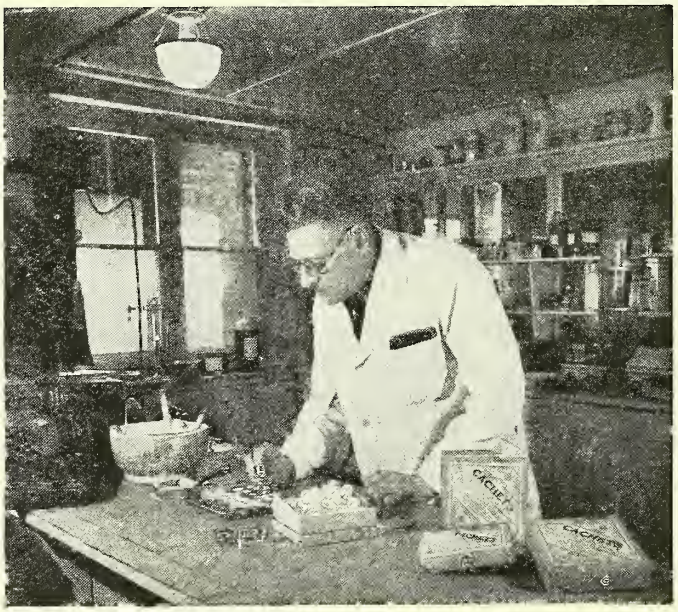

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The Chemist and Druggist *May 28, 1938*

The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

The official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions

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News of the Week

Business Changes

HANCOCK & CO., LTD., chemists, will shortly open a branch at 28 Cheapside, London, E.C.2.

TIMOTHY WHITES & TAYLORS, LTD., will shortly open a branch at 97 High Street, Hythe.

MR. L. R. DENT, M.P.S., is taking over the business of Mr. James Gee, M.P.S., 77 Wennington Road, Southport.

MR. G. H. WESTON, M.P.S., has taken over the business of Gibson & Co. (Chemists), Ltd., 84 New Street, Burton-on-Trent.

MR. H. E. D. WILSON, M.P.S., has taken over the business of Hattons, Chemists, Ltd., 1 Stratheden Parade, Blackheath, London, S.E.3, and will run it in conjunction with his business at 44 Old Road West, Gravesend.

Air Raid Precautions Handbook

The Air Raid Precautions Department, Home Office, has issued Memorandum No. 5, Anti-Gas Training. Copies may be obtained from H.M. Stationery Office, Kingsway, W.C.2, price 4d. This handbook contains information on civilian anti-gas schools, training of local anti-gas instructors, scheme of medical anti-gas instruction, qualifications to act as local gas instructors, provision of training equipment, public anti-gas instruction and gas vans and gas chambers.

Key Industry Duty Notices

The Treasury has made an Order under Section 10 (5) of the Finance Act, 1926, exempting META-OXYACETOPHENONE from Key Industry Duty from May 25, 1938, until December 31, 1938. The Treasury Order will be entitled The Safeguarding of Industries (Exemption) No. 2 Order, 1938.

The Board of Trade has received an application for an Order to exempt ALPHA NAPTHYL ISOTHIOCYANATE from liability to Key Industry Duty. Any communication should be addressed to the Principal Assistant Secretary, Industries and Manufactures Department, Board of Trade, Great George Street, London, S.W.1, before June 4, 1938.

Proprietary Articles Trade Association

ALTERATIONS TO PROTECTED LIST

Koray, Ltd., Koray brand tablets, five tablets, 3d., 2s. doz.; ten tablets, 6d., 4s. doz.; twenty-eight tablets, 1s. 3d., 10s. doz.; sixty tablets, 2s. 6d., 20s. doz.; orders to value of 20s. less 7½ per cent. cash in thirty days. Extra 2½ per cent. for cash in seven days; carriage paid any quantity. Pinaud, Ltd., Eau de Quinine, No. 2690, 2s. 6d., 20s. doz.; No. 2702, 4s. 6d., 36s. doz.; No. 2726, 8s. 6d., 68s. doz.; No. 2686, 16s., 128s. doz.; Eau de Portugal, No. 2724, 2s. 6d., 20s. doz.; No. 2725, 4s. 6d., 36s. doz.; No. 2594, 8s. 6d.; 68s doz.; No. 2595, 16s., 124s. doz.; Vegetal Violettes des Bois, No. 2637, 3s.; 24s. doz.; No. 2638, 5s., 40s. doz.; Vegetal Lilas de France, No. 2630, 3s., 24s. doz.; No. 2630L, 3s., 24s. doz.; No 2514, 3s., 24s. doz.; No. 2592L, 5s.; 40s. doz. Silvikrin products (agents, Scott & Bowne, Ltd.), Silvikrin lotion, large size, 8s., 72s. doz. The 4d. size shampoo has been replaced by a 3d. packet (minimum wholesale price, 2s. 3d. doz.).

Sales Managers' Conference

The eleventh annual conference of the Incorporated Sales Managers' Association took place in Llandudno, May 20 to 24. Among the papers read was one by Mr. Geoffrey A. N. Hirst (chairman and governing director, Hirst, Brooke & Hirst, Ltd., Leeds), on "Multiple Store Development—A Boon or an Evil?" Disadvantages from the manufacturers' and wholesalers' points of view, he said, were that individual traders might refuse to deal with firms which supplied chain stores. A paper on "Government Intervention in Marketing" was submitted by Mr. Gilbert Gledhill, M.P., in the course of which he dealt with the activities of the Department of Overseas Trade, including the British Industries Fair; the Export Credits Guarantee Department; and with Acts of Parliament affecting various industries.

Beckenham

ELECTION OF OFFICERS.—The West Kent Chemists' Association and Branch of the Pharmaceutical Society, at its annual meeting on May 2, unanimously elected Mr. D. A. Rees *President*. The retiring president (Mr. E. G. Price) was thanked for his services and appointed delegate to the forthcoming conference. Mr. G. E. Butler was chosen for *Vice-President* and Messrs. C. R. Stanyon (*Treasurer*), Pring and Leather (*Joint Secretaries*) were re-elected.

Bognor Regis

SUPPORT FOR C.F. SCHEME.—A meeting of the Bognor Regis section of the West Sussex Pharmacists' Association was held recently, Mr. E. Thorp in the chair, when it was decided to support the Chemists' Friends scheme to the extent that no bonus parcels entailing window or counter shows should be bought by members, and also that a simultaneous display of a Chemists' Friends proprietary would be shown in the windows once a month. It was also decided that every prescription should be coded by the member who first dispensed it.

Durham

ANNUAL MEETING.—The annual meeting of the Durham County Branch of the Pharmaceutical Society was held on May 5. The new constitution and rules, approved by the Council of the Society, were submitted and adopted. The following officers were elected:—*President*, Mr. W. Low,

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See p. 621

Vice-President, Mr. T. Melrose ; *Treasurer,* Mr. T. Melrose, junr.; *Secretary,* Mr. R. S. Backhouse, 8 Laburnum Avenue, Durham ; *Committee,* Messrs. F. T. Richardson, R. S. Metcalfe and K. J. Lowrie, together with the officers of the branch. Messrs. W. Low and F. T. Richardson were appointed representatives to the British Pharmaceutical Conference in Edinburgh. The new president, in his opening address, urged members to take a more active interest in the affairs of the local branch.

Eastbourne

Discussion.—A meeting of the Eastbourne Pharmacists' Association was held recently, Mr. H. C. Browne (president) in the chair. The abandonment by the Pharmaceutical Society of its School of Pharmacy was considered, and it was agreed that the School ought to be made to pay and should not be a drag on the funds of the Society. It was further agreed that the titles "chemist," "chemist and druggist" and "druggist" ought to be retained. The Association approved a suggestion that the Society's Council should inaugurate a superannuation scheme for pharmacists.

Leeds

N.P.U. Branch officers.—The annual meeting of the Leeds branch of the National Pharmaceutical Union was held on May 10, when the following officers were elected:—*Chairman,* Mr. W. F. Kemp ; *chairman-elect,* Miss F. Cousin ; *Treasurer,* Mr. W. Eaddie ; *Secretary,* Miss F. Cousin ; *Committee,* Messrs. N. H. Burns, N. Hirst, F. Midgeley, E. S. Mitchell, M. Moorhouse and F. C. Stock ; and Messrs. N. N. Armitage, J. H. Gough, A. L. Peters and T. Shooter *ex officio.* A simultaneous display of a Chemists' Friends proprietary on May 2, and another will begin June 13.

Reports and elections.—The fifteenth annual meeting of the Leeds and District Branch of the Pharmaceutical Society was held on May 12, Mr. H. Hodgson, Horsforth, presiding. The meeting opened with a resolution of condolence with the relatives of the late Mr. A. R. Briggs, Horbury (senior past-chairman). The secretary (Mr. G. C. Crummack) read a letter from Mr. W. H. Burrell, Horsforth, who had been retired for some years and wrote thanking the secretary for notices of meetings, regretting his inability to attend and complimenting the branch on its work on behalf of pharmacy. The meeting warmly applauded the letter. Mr. S. C. Blore, Birmingham, wrote drawing attention to his letter in The Chemist and Druggist, April 23, on the subject of the Pharmaceutical Society's finances and suggesting that the surplus as announced by the Society meant little when they considered commitments lying immediately ahead and the estimated shrinkage expected in membership. Mr. C. S. Challinor, Castleford, estimated that probably something like 25 per cent. of members' subscriptions was spent on the school. Mr. J. H. Gough suggested that possibly the Society were hoping for a grant. Few if any similar undertakings were conducted at a profit. The chairman (Mr. Hodgson) felt it might be desirable to have the question of the Society's finances investigated by a committee. Mr. Paul Dobson (treasurer) presented the balance sheet, which showed a surplus. Mr. E. Buckley presented a balance sheet of the Leeds pharmacy committee (a body which has handled social and charitable events since the 1934 Leeds Conference). This showed that a sum of £15 15s. had been sent to the Pharmaceutical Society's Benevolent Fund in addition to the normal contributions from the branch and its members.

Mr. G. C. Crummack, presenting his ninth annual report as secretary, said Leeds Branch now numbered 506 full members, twelve student-associates and seventy-one apprentices. The Branch maintained its association with Leeds Juvenile Employment Bureau in the selection of apprentices and its advisory committee to the Leeds College of Technology. Mr. E. Buckley reported as golf secretary. Messrs. Harold Haw and W. Eaddie, moving and seconding adoption of the reports, paid tribute to the work of the branch secretary (Mr. Crummack). The following officers were elected: *Chairman,* Mr. W. F. Kemp; *Chairman-elect,* Mr. Harold Haw, *Treasurer,* Mr. Paul Dobson ; *Secretary,* Mr. G. C. Crummack ; *Council,* Messrs. N. N. Armitage, J. H. Beacock, J. H. Gough and J. J. Judge, Wakefield ; (*ex officio*) Messrs. T. Heseltine, Normanton ; N. H. Burns, Leeds ; C. S. Challinor, Castleford ; F. C. Stock, A. L. Peters, W. Eaddie, A. W. Lupton, M.C., F. Midgley, all of Leeds ; J. F. Usher, Guiseley, and C. R. Duffin, Wakefield ; *Auditors,* Messrs. Armitage and Lupton ; *Representatives to the Edinburgh Conference,* Messrs. Armitage, Gough, Judge and the chairman or deputy-chairman. Mr. Kemp, the new chairman, presented a replica of the chairman's badge to his predecessor (Mr. Hodgson). On the proposition by the secretary, the meeting agreed to maintain affiliation with the new West Riding Co-ordinating Committee.

London

Simultaneous display.—In a simultaneous display of the products of a Chemists' Friend manufacturer, organised by the North London Pharmaceutical Association, over 200 excellent shows were included and prizes were awarded to Mr. Brookes, 133 Green Lanes, N.13 ; Messrs. Young and Harrison, 571 Green Lanes, N.4, and 49 Green Lanes, N.13 ; Mr. Parker, 207 High Road, N.22 ; and Mr. Smith, Silkstream Parade, Burnt Oak. A similar display will be organised in June. On two Thursdays during May small parties of pharmacists have visited the works of Kodak, Ltd., Wealdstone, and a visit to the British Drug Houses, Ltd., will take place in June.

First-aid talk.—The annual meeting of the Walthamstow and District Branch of the National Pharmaceutical Union was held on May 17, Mr. W. Gray, Walthamstow, in the chair. Officers were elected as follows:—*Chairman,* Mr. W. Gray ; *Vice-Chairman,* Mr. Woollard, Buckhurst Hill ; *Committee,* Messrs. B. W. E. Beard, A. C. Hardwick and P. Williams ; *Secretary,* Mr. W. E. Gaze, Highams Park (re-elected). Mr. Gaze was also appointed local *P.A.T.A. Secretary.* A talk on "First Aid for Chemists" was then given by Mr. W. E. Moreton (Cuxson, Gerrard & Co., Ltd., Oldbury, Manchester). Mr. Moreton said for some reason a section of the public expected chemists to treat minor injuries. It was unfortunate the subject did not come in their curriculum. They lost a good deal of confidence from the public if unable to help. He demonstrated the correct method of taking foreign matter from the eye by seating the patient and working from behind. A vote of thanks was proposed by Mr. Gray and seconded by Mr. A. C. Hardwick.

Merseyside

Mr. J. Allen Jones, M.P.S., Moore Lane, Great Crosby, has been elected first president of the recently-formed local Rotary Club.

Branch Officers, Liverpool.—The following were re-elected officers of the Liverpool and District Branch of the Pharmaceutical Society at the first meeting of the new committee recently. *Chairman,* Mr. John Rae; *Vice-Chairman,* Mr. W. E. Humphreys; *Treasurer,* Mr. M. S. Hughes ; *Secretary,* Mr. W. E. Shepherd.

First aid contest.—In a test of first aid principles and practice at the works of William Blythe & Co. (manufacturing chemists), Church, Lancs, five teams competed for a silver cup and replicas presented by Mr. W. Collison. Messrs. L. Greenhalgh, J. Garner, H. Hindle and J. Baldwin were the winning team.

Oxford

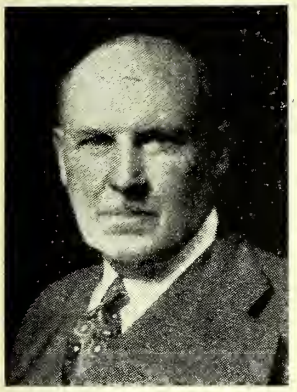
Address and a resolution.—At a meeting of the Oxford and District Branch of the Pharmaceutical Society held recently, Mr. G. B. Rose in the chair, Mr. J. E. Blackwell (superintendent pharmacist, Genatosan, Ltd.) gave an address on "The C.F. Scheme from the Manufacturer's Point of View" (see *C. & D.,* April 16, p. 452). A vote of thanks by Mr. Gale was seconded by Mr. Price ; Mr. Smart asked that the following resolution should be put to the meeting: "That the right to sell patent medicines shall be by payment of a local registration fee of 5s., which shall enable the holder to make application to the Inland Revenue authorities to grant a patent medicine licence, the fee for such licence to be based on the assessment of the property from which it will be operated." The resolution was seconded and carried unanimously.

Peterborough

Outing.—Members of the Peterborough and District Chemists' Association and their friends visited the works of Parke, Davis & Co., Hounslow, on May 12. They were met at the London terminus by members of the Beak Street staff of P. D. & Co. and proceeded by motor coach to Hounslow, where they were received by Mr. Cathcart (assistant general manager in England). After being photographed, parties were conducted over the works, witnessing the manufacture of Euthymol tooth paste and Cascara Evacuant, pill and tablet

News in Pictures

(*Above*) LONDON GOLFERS COMPETE—Group of competitors at the Grims Dyke meeting of the London Chemists' Golfing Society ; (*at right*) Mr. C. H. Maile, winner, " Professor Flint " trophy.

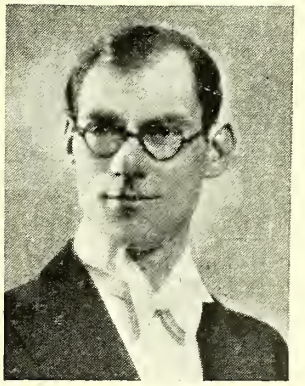


REMINGTON MEDALLIST—Mr. H. C. Christensen, winner, Remington medal. See p. 619.

APPOINTED AUDITOR—Mr. G. E. Pearson, a new honorary auditor, Pharmaceutical Society

WORKS VISIT—Members and friends of the Peterborough and District Chemists' Association photographed at the works of Parke, Davis & Co., Hounslow, on May 12. A report of the visit appears on page 610 of this issue.

TRADE VAN ADVERTISEMENT—Delivery van with topical advertisement recently put on the road by Wright, Layman & Umney, Ltd.



RECENTLY ELECTED BRANCH CHAIRMEN

Mr. A. E. Thorpe, Manchester and District Branch, National Pharmaceutical Union.

Mr. J. Spaanderman, Mansfield and District Branch, Pharmaceutical Society (re-elected).

See also notes on page 619.

making and coating, capsule and ampoule filling, etc., and inspectiug the laboratory, research and drug departments and the intricate checking system. After high tea, a vote of thanks to the firm was proposed by the president (Mr. H. Stanyon), who referred to the help Messrs. Parke, Davis were giving to the retail pharmacists by being on the C.F. list. Mr. J. S. Prior, Stamford, seconded, and Mr. Cathcart replied for the firm. The party left Hounslow at 7 p.m. by coach for the West End, and arrived in Peterborough at 2 a.m. Picture on p. 609.

Thames Valley

PRICE-CODING SUGGESTIONS.—The annual meeting of the Thames Valley District Pharmacists' Association was held on May 10, the president (Mr. F. G. Davis) in the chair. The president reviewed the work of the past year. The financial statement submitted by the treasurer (Mr. Norman Dewey) showed a credit balance of £3 6s. The election of officers and committee resulted as follows:—*President*, Mr. William Griffiths, Motspur Park; *Secretary*, Mr. C. B. Harison, East Sheen; *Treasurer*, Mr. Norman Dewey; *Auditor*, Mr. W. J. Palmer; *Committee*, Messrs. N. Hart, Richmond; H. G. Green, East Sheen; and B. R. Lloyd, Whitton. Mr. W. S. Howells expressed a desire to retire from the committee, but at the earnest request of the meeting he agreed to remain a co-opted member. Miss E. M. Robertson was again co-opted as *Social Secretary*. The following were appointed delegates to the British Pharmaceutical Conference at Edinburgh: Miss Buckman, Messrs. N. Dewey, C. B. Harrison and F. W. Woolf. A request from the chair for suggestions for next session led to an exchange of ideas, and this was followed by a discussion, opened by Mr. Dewey, on "The Desirability of Maintaining a Standard Scale of Charges for Dispensing." Mr. Dewey was strongly of opinion that a definite scheme was necessary in order to counteract the distrust of the customer who is charged varying prices for the same preparation when dispensed at different shops. He suggested that a recognised code price mark should be adopted for prescriptions, and that each member of the association should mark any prescription which he priced in the first instance with a special rubber stamp bearing the letters "T.V.P.A." (besides his own name and address), with the agreed code price clearly indicated. This suggestion gave rise to a spirited debate, but it was generally accepted that nothing much could be done unless some agreement could be come to with the multiple firms who have their own code of prices. The matter is to be submitted to the combined association of Surrey branches for further consideration. A vote of thanks to Mr. Davis for his services as president during the past two years was proposed by Mr. Slade and endorsed by Mr. Howells.

Miscellaneous

IN THE COURTS.—At the Thames Police Court, London, on May 20, Leslie Abbott, James Turner and Joseph Townsley were charged with stealing goods from the factory of D. & W. Gibbs, Ltd., Wapping. The accused were remanded.

PHARMACEUTICAL EMPLOYEES' ORGANISATION.—A meeting is to be held in London on May 31 with the object of inaugurating a national scheme of organisation for employees in pharmacy that shall be autonomous and without political bias. The meeting has been organised by the Wembley and District Society of Pharmaceutical Employees, and concerns both qualified and unqualified. Mr. R. A. Fisher, M.P.S., is to preside, and the discussion will be opened by Mr. W. Atkinson, M.P.S., who will outline details of a suggested scheme.—A meeting between the London Advisory Committee of the Association of Pharmaceutical Employees and the members of the London section in the employ of Timothy Whites & Taylors, Ltd., took place on May 17. The chairman (Mr. C. Devereux) said the purpose of the meeting was to elect a representative on the London Advisory Committee and to discuss means of increasing membership among the firm's staff. Mr. O. J. Frost suggested that the area should be divided up into several divisions and that members should assist in collecting subscriptions and take the lead in recruiting work.

INQUESTS.—At Grimsby, on May 23, an inquiry was held into the circumstances attending the death of a probationer nurse named Greenwood, whose death it was ascertained was due to mercuric chloride poisoning. According to evidence, the nurse had carried four tablets in her pocket in order to make into a lotion, and had taken one tablet in mistake for a sweet.—At Hackney, London, recently, a verdict of "death by misadventure" was returned at an inquest on Abraham Wagman. It was stated that deceased admitted having taken six aspirin tablets one day and ten the next.—At Bridgnorth, Shropshire, recently, a "suicide" verdict was returned at an inquest on Miss Norah I. Leonard. Death was stated to be due to the taking of Nembutal tablets, used for hysteria in dogs.—Among other cases of fatal poisonings recorded since our last report are those at Stoke-on-Trent (accumulator acid mistaken for water), West Bromwich (spirit of salt), Liverpool (caustic soda), Chester (carbolic acid), Coventry (carbolic acid), Ellesmere Port (strychnine).

Irish Notes

North Leinster Drug Federation

The schedule of working hours required by recent shops hours legislation was fixed for chemists in the counties of Cavan and Monaghan at a meeting of the local Branch of the North Leinster Drug Federation held at Cavan on May 13, Mr. H. B. O'Donoghue, Virginia, in the chair. Pharmacists were present from Cavan Town, Ballinagh, Kilnaleck, Carrickmacross, Castleblaney, Ballybay, Belturbet, Clones, Ballyjamesduff. Mr. Brendan Smith (Organiser, Irish Drug Association) explained the provisions of both Acts affecting the position, and a long discussion followed. Agreement was reached on the following hours: Monday to Friday, 9.30 a.m. to 7.30 p.m.; half-holiday, 9.30 a.m. to 1 p.m.; Saturday, 9.30 a.m to 9.30 p.m.; Sundays and Bank Holidays as heretofore. The following early-closing days were decided upon: Clones, Kilnaleck, Belturbet, Tuesday; Carrickmacross, Wednesday; Cavan Town, Ballinagh, Castleblaney, Ballybay, Ballyjamesduff, Thursday. It was decided that chemists in each town should be circularised and requested to adhere to the schedule of business hours fixed. Towns for which no half-holiday closing was arranged are left to fix the day locally, taking into account fair and market days. All retailers, in accordance with the provisions of the Act, must notify the local Civic Guard Sergeant of the day chosen. It was further agreed that on half-holidays pharmacies would close completely. Power was given, if necessary, for reviewing the arrangements at a later meeting, to be held on a date selected by Mr. B. Smith in conjunction with Mr. J. Nicholson. A discussion on price maintenance, coding and the Prices Commission followed. It was decided that members in each town should fix their own developing and printing charges after consultation. Evidence of leakages was supplied to Mr. Smith, who urged the meeting to support firms on the I.D.A.'s Approved Lists.

Athlone

HOURS OF TRADING.—At a special meeting of Athlone chemists convened to discuss the recently introduced Shops Hours Acts, Mr. J. K. Whelehan, M.C.P.S.I., presided on the invitation of Mr. J. M. Huban. The following time-table was unanimously agreed upon: Monday, Tuesday, Wednesday and Friday, 9.30 a.m. to 8.30 p.m.; Thursday, 9.30 a.m. to 1 p.m.; Sunday and Bank Holidays, 11 a.m. to 1.30 p.m. Mr. Huban was instructed to communicate with the secretary of the Irish Tourist Association with a view to representation being made to the Minister of Industry and Commerce that chemists should be exempt from the Acts so far as sale of films and photographic accessories on Sundays and public holidays was concerned.

Miscellaneous

BUSINESS CHANGE.—Mr. E. A. Richey, Ph.C., has closed his branch at 28 Upper Newtownards Road, Belfast, and transferred the business to his pharmacy at 384 Newtownards Road.

MAYOR OF COLERAINE.—At a meeting of Coleraine Borough Council on May 23 Mr. N. F. McCartney, Ph.C., was elected Mayor. He had previously been deputy-mayor. Mr. McCartney is the proprietor of a medical hall in Coleraine. He is also chairman of the Irish Bowling Association.

HOURS OF OPENING.—A meeting of chemists from Cork, Limerick and Kerry will be held at the International Hotel, Killarney, on Sunday, May 29, at 3.30 p.m., to discuss the new Shop Hours Acts and trade matters. Mr. Brendan Smith, M.P.S.I. (organiser, Irish Drug Association), will attend. Chemists who have not received invitations are cordially invited.

Scottish Notes

Aberdeen

Mr. A. Gordon Beattie, M.P.S., 43 Castle Street, Aberdeen, a prominent Freemason, was recently promoted to the 31st Degree of the Ancient and Accepted Scottish Rite at the Convocation in Edinburgh.

Aberdeen Dispensary.—Further developments were mentioned at the annual meeting of the Aberdeen Dispensary and Vaccine Institution. Instead of retaining central premises the directors may decide to establish a series of branch dispensaries. Last year almost 14,000 cases were treated, and the prescriptions dispensed numbered 35,000.

Dundee

James Taylor (Trongate), Ltd., have removed their Dundee branch from Dock Street to 33 North Tay Street.

Professor of chemistry.—Mr. W. F. K. Wynne-Jones, D.Sc., of Reading University, has been appointed to the chair of chemistry in University College, Dundee, which becomes vacant on the retirement of Professor Alexander McKenzie in September.

Visit to Empire Exhibition.—A party of 106 members and friends of the Dundee School of Pharmacy Former Students' Association visited the Empire Exhibition in Glasgow on May 18. The party left Dundee at 7 a.m. and travelled to Glasgow by motor coach.

Glasgow

Glasgow Pharmacy Club.—At the annual general meeting of the Glasgow Pharmacy Club the following office-bearers were appointed:—*Honorary Presidents,* Mr. G. MacKay, Mr. W. W. Wilson; *President,* Mr. A. Macoween; *Senior Vice-President,* Mr. W. Peebles; *Junior Vice-President,* Mr. G. Adam, Senr.; *Secretary and Treasurer,* Mr. A. Aitken; *Treasurer, Building Fund,* Mr. A. B. Gilmour; *Librarian,* Mr. R. Anderson; *Secretary, Golf Section, Gent's,* Mr. James Low; *Ladies,* Mrs. Duncan; *Secretary, Bowling Section,* Mr. F. Bryce Gray; *Secretary, Angling Section,* Mr. W. J. Moffat; *Secretary, Badminton Section,* Miss Jewett; *Social Conveners,* Mrs, Aitken, Mrs. Hamilton; *Committee,* Messrs. E. J. B. Allison, D. Black, McEwan, J. McGillivray, J. C. Gates, Misses MacCallum and McEwan; *Auditors,* Messrs. T. Harkness and D. Duncan.

Miscellaneous

Mr. J. S. Knox, M.P.S., has bought the business of Mr. J. A. Noble, M.P.S., Newmills, Dunfermline.

Annual meeting.—The annual general meeting of the Paisley and District Chemists' Association was held on May 2. Office bearers were elected as follows:—*President,* Mr. A. Whiteford; *Vice-President,* Mr. Wm. Beaton; *Secretary and Treasurer,* Miss A. Croll; *Committee,* Miss J. Weir, Messrs. J. McPherson, D. Hamilton, and S. McConnell.

Topical Reflections

By Xrayser

The Reading of Leisure

In thanking those of your correspondents who have contributed to the discussion on a paragraph headed "Ether at the Bedside," which appeared in this section of your issue of April 30 (and expressing the hope that I knew rather more about the topic than may have seemed probable), I may touch for a moment on the wider question of reading books of historical value in relation to pharmacy. The range of bargains in bookshops becomes more and more limited: for most of us a reference library is the only hope. The field is larger, however, than is usually realised, and we may select at will. It was in your Annual Special Issue of 1934, if I have not forgotten (I am away from books at the moment) ["Side lights on English Pharmacy, 1550-1650."—Editor] that reference was made to a dispensatory of Cronenburgius published in 1555, in which the authors referred to numbered nearly 200. This number, collected so soon after the invention of printing, is conclusive evidence of activity in publishing medical and pharmaceutical knowledge, an activity which has continued through the intervening centuries. I cordially recommend the perusal of such books as those mentioned in Mr. Kirkby's letter (p. 575): they afford abundant recreation, and start trains of thought which often have useful results.

The Ninety-seventh

Once a year the annual meeting of the Pharmaceutical Society of Great Britain takes, in the ordinary course, the first place in your news. The report of the event of May 18 in your last week's issue does justice to what after-dinner speakers, intending to pay a compliment, sometimes call "this good old Society"—an expression which, unhappily, has a patronising sound. The 99.5 per cent. of members who for various reasons are not present on these occasions (the percentage is slightly higher, I believe) can read all about it in the *C. & D.* I hope they have done so. Of late years these presidential addresses have tended towards an impersonal style, which I for one find less readable than the older type; there may be diplomatic reasons for this, especially since the coming into force of the Pharmacy and Poisons Act of 1933, with, as a result, the heavier incidence of what Lord Macmillan has lately called "the chilling hand of Whitehall." The same circumstances may account for the separation of the parts of this year's address headed "Finance" and "The Society's House," which are obviously interrelated. I have been looking through some of your reports of these annual meetings in order to see when the impending change of headquarters was first adumbrated by a president. After Mr. Pilkington Sargeant's *ballon d'essai* of November 26, 1924, there was apparently no official pronouncement till May 18, 1927, when the president of the Society (Mr. F. E. Bilson) made, from the chair, a statement from which I take the following sentences: "The Society's house here is held on one lease . . . and Nos. 15 and 16 Bloomsbury Square and the Galen Place building on other leases. The leases do not terminate on the same date, and that for 17 Bloomsbury Square and 72 and 73 Great Russell Street runs out in 1948." (I may remark, by way of parentheses, that at the moment an effort to raise a parliamentary fund of £10,000 was being made; the history of that fund is well known.) We have lately been told that the Society hopes to remove into its new premises next year; it is pertinent to inquire what is likely to happen to the building at the corner of Bloomsbury Square and Great Russell Street till its lease expires.

A Feeble Discussion

As Mr. F. W. J. Hooper and Mr. W. M. Tims pointed out, several of the comments made during the discussion on the presidential address would have been more fitting at a National Pharmaceutical Union meeting. Mr. C. J. Yeates raised a substantial issue in intimating the discovery by the Plymouth Branch that a candidate was "directly concerned with a grocery business." When one thinks of the triumphant acclamation with which the grocery trade received the report of the Select Committee on Medicine Stamp Duties, such a discovery becomes relatively as important to pharmacy as that other discovery made at Plymouth of the advance of the Spanish Armada along the English Channel. There may easily arise from time to time occasions of conflict between pharmacy and grocery as organised callings; in such an event a pharmacist-grocer would, as a member of the Pharmaceutical Society's Council, find himself in an anomalous position. If he reasoned that the Society cannot concern itself with the trade matters mentioned in the test case of 1920, the answer would be that nevertheless the Society is charged with the protection of those who carry on the business of chemists and druggists. It appears that some of the Plymouth members had "refrained from voting at all"; but surely that was a counsel of despair.

Legal Reports

Pharmacy Act Cases.—At Newcastle-under-Lyne, recently, Stalkers Drug Stores, Ltd., West Brampton, were fined £5 for unlawfully using the title "chemists." It was stated that the offence had been committed on the second day of the opening of the business, which had been purchased only a few days previously. Mr. E. Macmanus prosecuted on behalf of the Pharmaceutical Society, and said that on March 30 an agent of the Society visited the defendants' premises and purchased some lemon cream and flowers of sulphur. The label bore the words: "Stalkers Drug Stores, Ltd., Dispensing Chemists, 1 West Brampton, Newcastle." The defendants were fined £5.

At Penzance, on May 23, Timothy Whites & Taylors, Ltd., were summoned for having sold a quantity of strychnine in contravention of the poisons regulations. Mr. A. C. Castle, of London, who prosecuted, explained that the new poisons regulations laid down that strychnine was not to be sold or supplied except as an ingredient of medicines, but there were four special exemptions: (1) that it might be sold by way of wholesale dealing; (2) for export out of this country; (3) for the purpose of compounding medicines prescribed by doctors or veterinary surgeons; and (4) for the purpose of scientific education, research or analysis. Prohibition was very strict, and registered chemists throughout the country had received an extraordinary amount of advice and direction on the rule. The defendant company, proceeded Mr. Castle, was well known, and had a branch at Market Place, Penzance, which was in charge of Mr. Mathieson, a registered pharmacist. One of the inspectors appointed under the Act visited the premises on March 31, and on examining the poisons register found that a sale of strychnine powder had been made to a Mr. North on January 27. The inspector pointed this out to the manager, who said he knew the customer very well, that the latter had been in the habit of purchasing the powder before the new regulations came into force, and that at the time of serving he (the manager) forgot the regulations. Mr. Castle said it had been said by farmers that prohibition of the sale of strychnine hindered farming, because they could not destroy vermin without it. That, however, was not the case, because efficient substitutes were available. Mr. A. W. H. Harvey, of Penzance, who admitted the offence on defendant's behalf, said that Mr. Mathieson was an experienced chemist, but had been brought up under the old regulations, and when a practice had obtained so long as to become almost one's second nature it was difficult to change over to a new one without sometimes making a slip. The defendant company was taking every precaution to see that the offence would not be repeated, and had issued labels to their stores to be placed on the bottles of prohibited poisons drawing attention to the fact that they could not be sold. The magistrate imposed a fine of five guineas, with three guineas costs.

Among the cases recorded since our last report of prosecutions for infringements of the Pharmacy and Poisons Act by unqualified persons are the following:—At Manchester, on May 11, Jacob Levy was fined 20s. for selling a preparation containing morphine.—At Westminster police court, London, on May 14, Charles A. Lewis was fined £10 and costs for selling a hair-darkening preparation containing 33⅓ per cent. of lead acetate.—At Larkhill, Wilts, on May 17, A. E. Chatfield was fined £1 for selling a mixture containing paregoric.—At North London police court, on May 19, Simon Phillips, Stoke Newington Road, was fined £3 on summons arising out of the sale of tablets containing ephedrine.—At the same court on the same date, William Aarons, Stoke Newington Road, was fined £3 on charges arising out of the sale of a proprietary preparation containing codeine.—At Halesowen police court, recently, Arnold Roberts, Blackheath, was fined 10s. on each of four summonses relating to the sale of preparations containing poisons.—At Walsall police court, recently, Levers (Herbalists), Ltd., Walsall, pleaded guilty to unauthorised selling of ephedrine in a proprietary brand of tablets and for supplying the preparation in a container not properly labelled. Fines amounting to £10 were imposed.—At Bournemouth police court, recently, A. C. Hancock, Ltd., Ashley Road, were fined £2 for selling acetate of lead in a proprietary product.—At Edinburgh, recently, George Barns, ironmonger, was fined £2 for selling a disinfectant containing phenol contrary to the provisions of the Pharmacy and Poisons Act, 1933.

Sold Goods to Cut-price Dealers.—At the Central Criminal Court, London, on May 20, before Judge Beazley, Henry Meadows, Benjamin Meadows and Edward Meadows were charged with conspiring together and with other persons to cheat and defraud such persons as might be induced to supply goods on credit to Henry Meadows, trading in the name of Henry Barr, at Summer Road, Thames Ditton. There were further charges of obtaining credit to the extent of £172 from Beiersdorf, Ltd., £89 from International Chemical Co., Ltd., and £85 from W. J. Rendell, Ltd. Benjamin and Edward Meadows pleaded "Not guilty" to all the charges. Henry Meadows pleaded "Not guilty" to the conspiracy charge and "Guilty" to the other charges. Benjamin and Edward Meadows were found "Not guilty" and were discharged. Dealing with Henry Meadows, Mr. Hawke, who prosecuted, said he took premises at Thames Ditton in March last year, the premises consisting of a small shop with a back room, and opened up his business there, according to the registration, on April 13. He carried on as a wholesale sundriesman, dealing in chemists' goods, under the name of "Henry Barr." Whether the reason that he used that name was that he was, in fact, under twenty-one and knew that traders would not give him credit, counsel was unable to say, but it was certain that the traders concerned would have had no success in an action to recover money from him. In July 1937 he took the adjoining shop, and after that time his business showed a very remarkable increase. Between April and the end of September he ordered goods, all proprietary articles, from a number of firms and adopted the process which was probably familiar to the Court—that of giving small orders in the early stages and paying for them when the goods were delivered. Thus confidence was provided in those who were dealing with him. In August and September, shortly after he took the new shop, his orders vastly increased, and when the goods were delivered none of them were paid for. He gave post-dated cheques which were returned dishonoured. The total amount of credit from the firms mentioned in the charges was about £448. This was not, however, the whole of the story, as it would not be possible to call as witnesses everyone who gave him credit. These three firms were representative of about seventy-five who gave credit in this way between the middle of July and the end of September 1937. The total amount outstanding was about £2,900. Evidence would have been available to prove to some extent the destination of the goods obtained in this way. They were delivered at the premises at Thames Ditton, and after remaining there for a particularly short time they were removed in large consignments in a car or a lorry owned by the defendant, in most cases to the East End of London, always in the evening, and sold to cut-price dealers. Some of the goods went to a business in Bayswater, of which Henry Meadows was himself secretary, and also lessee of the premises. It was interesting to note that his bank account during the period from April 19 to September showed credits of about £3,600, which were all cash credits. "It is a matter of considerable gravity," said counsel, "that a young man of twenty should have been able to victimise so many people in such a short space of time." According to police evidence, since leaving school Henry Meadows had assisted his father and other members of his family in the conduct and management of cut-price businesses. Sentence was postponed until next Sessions.

Gazette

Partnership Dissolved

THOMPSON, T., 31 The Grove, Ealing, and JENKINS, E. T., 42 Sunnyside Road, Ealing, chemists, under the style of Thomas Thompson.

Company News

P.C. means Private Company and R.O. Registered Office

KENNEY LIMB & SURGICAL CO., LTD. (P.C.).—Capital £100. Objects: To carry on the business of makers of artificial limbs, etc. R.O.: First Avenue House, High Holborn, W.C.1.

HYDE & ENTWISTLE, LTD. (P.C.).—Registered in Belfast. Capital £200. Objects: To carry on the business of wholesale and retail chemists, druggists, etc. R.O.: 4 Murray Street, Belfast.

ADAMS & DAVIS, LTD. (P.C.).—Capital £750. Objects: To carry on the business of manufacturing, pharmaceutical and general chemists, etc. Arthur Adams, 11 Hepscott Terrace, Westoe, South Shields, director.

JESSELS LABORATORIES, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in patent medicines, drugs, etc. George M. Williams, 81 Lambs Conduit Street, W.C.1, director.

OAKES, EDDON & CO., LTD. (P.C.).—Capital £300. Objects: To carry on the business of laboratory furnishers, dealers in fine chemicals, chemists, druggists, etc. John A. Hall, 66 Addingham Road, Liverpool, director. R.O.: 110 Wood Street, Liverpool.

F. C. GREEN, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of manufacturing, dispensing chemists and druggists, etc. The first directors are not named. Solicitors. Amitage Chapple & Co., 30 Great St. Helens, E.C.3.

AUTOMATIC DRYERS, LTD. (P.C.).—Capital £4,000. Objects: To carry on the business of manufacturers and dealers in automatic drying machines used for toilet purposes, etc. Samuel Smith, "The Gables," Elmden, Warwickshire, director. R.O.: 73 Northwood Street, Birmingham.

HOME PERM CO., LTD. (P.C.).—Capital £500. Objects:—To carry on the business of manufacturers of and dealers in all kinds of preparations for the hair and skin, etc. Ernest G. Ellisdon, 63 Cranbourne Gardens, Golders Green, N.W.11, director. R.O.: 246 High Holborn, W.C.1.

KATARGENE, LTD. (P.C.).—Capital £500. Objects: To carry on the business of manufacturers of and dealers in substances for preserving and improving fruit juices, chemicals, etc. The first directors are to be appointed. Solicitors: Herbert Oppenheimer & Co., 1 and 3 Finsbury Square, E.C.2.

METABASIC PRODUCTS, LTD. (P.C.).—Capital £2,000. Objects: To acquire from Stephen P. Rety the exclusive right to market and vend in the British Empire a preparation for the treatment of menopausal conditions, etc. Stanley Lief, Champneys, Tring, Herts, director. R.O.: 38 Langham Street, W.1.

COSMIC PREPARATIONS, LTD. (P.C.).—Capital £500. Objects: To acquire and develop certain patents, rights and improvements in the generation of heat by chemical action and other patents and processes for the manufacture of cosmetics and perfumery, etc. The first directors are to be appointed. Solicitors: David Morris & Co., 1/3 St. Paul's Churchyard, E.C.4.

NA-KI-DAL, LTD. (P.C.).—Capital £10,000. Objects: To acquire the business of manufacturers of a product known as Na-Ki-Dal; to adopt an agreement with C.E.G., Ltd.; and to carry on the business of manufacturers of and dealers in chemicals, ointments, etc. The first directors are to be appointed. Solicitor: Rees W. Nicholas, 84 Queen Street, Cardiff.

VIDUX CHEMICAL MANUFACTURERS, LTD. (P.C.).—Capital £100. Objects: To manufacture and deal in all products the subject of the formulæ or specifications supplied by Dr. Walter Mayer or which are of an allied or similar nature, including chemical cleaners, fire extinguishers, purifiers, compounds, alloys, resins, fixatives and devices of all sorts. George A. James, Yew Tree Cottage, Much Hadham, Herts, director. R.O.: 83 Great Portland Street, W.1.

BRITISH ALKALOIDS, LTD.—The directors' report and balance sheet for the year ended March 31, 1938, shows a net profit of £55,410 2s. 6d., to which is added the balance brought forward of £996 5s. 3d., making a total of £56,406 7s. 9d. Interim dividends of 8 per cent, less tax, on the participating preference shares and 12 per cent., less tax, on the ordinary shares absorbed £6,059 10s. 3d. Written off advertising expenditure £18,000, transferred to general reserve £2,500, taxation reserve (including N.D.C.) £11,900, leaving a balance of £17,946 17s. 6d. Final dividends absorb £14,015 15s. 1d. (see *C. & D.*, May 21, p. 581), carried forward £3,931 2s. 5d.

MAY, ROBERTS (IRELAND), LTD.—A dividend at the rate of 15 per cent., less tax, on the ordinary shares was declared at the third annual meeting of the company, held recently at Commercial Buildings, Dublin. Proposing the adoption of the annual report and balance sheet, Mr. Ashley Tucker Webb, chairman, said there was little change in the figures in the balance sheet as compared with last year. The stock-in-trade showed an increase of £8,095, and creditors were up £3,541. The profit was £22,223, as compared with £21,950, and after provision for income tax and corporation profits tax the balance was £15,810. To that was added the balance carried forward from their last account, and against the total the directors had written £2,362 off goodwill and trade marks accounts. The deduction, together with the amount of the fixed dividend on preference shares, left £16,085 17s. 3d. available for appropriation. Trade in general, the chairman said, had experienced difficult times. Mr. Alexander D. Davidson, a director, seconded the adoption of the report, which was carried. Mr. F. J. Smith, the retiring director, was re-elected. Other directors present were Messrs. R. Peck, managing director, R. Conyngham White, E. A. E. Edwards and T. Ruddock.

Voluntary Liquidation

Suburban Chemists, Ltd., High Road, Loughton, Essex. Pursuant to Section 238 of the Companies Act, 1929, a meeting of creditors herein was held recently at the offices of the Association of Manufacturing Chemists, Ltd., Holborn Viaduct, E.C. It was reported that the shareholders had previously met and passed a resolution for the voluntary liquidation of the company and had nominated Mr. Parkin S. Booth as liquidator. A statement of affairs as at April 23 last was submitted showing liabilities to trade creditors of £656 19s. 10d., there were cash creditors for £200, and the bank's claim amounted to £152 10s. 1d. In addition there were fully secured creditors for £4,101 16s. 10d., and their securities were valued at £4,630. The assets were estimated to produce £1,581 1s. 8d., from which had to be deducted preferential claims of £141 7s. 1d., leaving net assets of £1,439 14s. 7d., or a surplus over liabilities of £430 4s. 8d. It was reported that the company was registered on March 4, 1924. The original capital was £800, later increased to £1,500. In January 1925 the company purchased property at High Street, Epping, for £1,600, which was sold in June 1925 for £1,805. In February 1925 the company also purchased a plot of land at High Road, Loughton, for £225, and in October 1929 premises were built there at a total cost of about £1,900. In November 1932 the company also purchased land at the rear of the shop premises in High Road, Loughton, for £175. In July 1935 a house and shop at Oakwood Hill, Loughton, was purchased for £1,600, but the trading there was not satisfactory and the company sold the business for £500 and let the premises on a twenty-one years' lease. In November 1936 negotiations were opened for the sale of the property and business at High Road, Loughton, for a sum of £5,000, but those negotiations had not been completed. Trading accounts which had been prepared showed that net profits were made until March 1935. Since then the turnover had declined. In the twelve months to March 1936 there was a net loss of £172. In the next year there was a net profit of £20, and in the 56 weeks to April 23, 1938, the net loss was £759. The creditors resolved to confirm the voluntary liquidation of the company, with Mr. Parkin S. Booth as liquidator.

Parliamentary News

Chemical Research

In answer to a question by Mr. David Adams on May 24, the Chancellor of the Duchy of Lancaster (Earl Winterton) recalled that the discovery of certain new chemical compounds depends at present on research in Germany, with the consequence that supplies can only be obtained from abroad. For this reason the Government had approved the annual expenditure of £30,000 for chemotherapy research in this country. Asked whether he was satisfied with this small sum, he added that there are other grants in connexion with this research which will largely be expended in making new premises for the Medical Research Council. In the question of research he was satisfied that, for the moment, sufficient is being done.

Chemical Compounds (Imports and Production)

In reply to questions by Mr. David Adams on May 20, Mr. Cross gave the following particulars: During 1935, the latest year for which the information is available, the output in the United Kingdom of salvarsan and neo-salvarsan and other organo-arsenic compounds of like medicinal application amounted to 7,900 lb., of a selling value of £107,000. No other official information is available regarding the output or consumption of the specified substances in the United Kingdom or in other parts of the British Empire. Imports of salvarsan, Bayer "205," tryparsamide, atebrin, plasmoquin, trypan-blue, and trypaflavin are not separately recorded for the purpose of the published trade returns of the United Kingdom. Particulars in respect of salvarsan and neo-salvarsan and other organo-arsenic compounds of like medicinal application were, however, separately recorded up to the year 1933, in which year imports into the United Kingdom amounted to 69 lb., valued at £3,296. He had no information as to imports of these commodities into other parts of the Empire.

Patent Medicines

Mr. David Adams asked the Minister of Health on May 23 whether he was aware that, in 1937, a Select Committee of this House estimated that the amount spent each year in the United Kingdom on patent medicines was between £20,000,000 and £28,000,000, as against an annual expenditure upon drugs under the National Health Insurance scheme of only £2,500,000; and whether, in view of this persistence of self-treatment, he will consider changes whereby proprietary drugs shall at least be regulated as stringently as ordinary foods and drugs are under the Food and Drugs Act, 1875?

The Parliamentary Secretary to the Ministry of Health (Mr. Bernays): I am not sure exactly what change in the law the hon. member has in mind, but I would refer him to Clause 6 of the Food and Drugs Bill now before Parliament, which not only strengthens the present law regarding labels issued with drugs, but also applies to advertisements containing false descriptions of drugs or misleading statements as to their nature, substance or quality.

Mr. Gallacher: In view of the fact that many ignorant people are poisoning not only themselves, but their children and destroying their health, will special measures be taken to stop this sale of patent medicines?

Mr. Bernays: We are taking steps to deal with it, as the hon. member will see if he will look at the new Food and Drugs Bill.

Nascent sulphur in mange.—A successful method of treating parasitic mange of dogs with nascent sulphur is described by Harvey in the "Veterinary Record," May 14, p. 565. The procedure consists of applying a 40 per cent. solution of sodium thiosulphate to the whole surface to be treated and allowing it to dry. A 5 per cent. solution of hydrochloric or sulphuric acid is then applied and allowed to dry. The process is repeated the following day. The value of the treatment, it is claimed, depends on the deposition of finely divided sulphur and the consequent liberation of sulphuretted hydrogen and sulphurous acid. An alternative method which is stated to be more convenient is to prepare the mixture and apply it thoroughly at once, before any clumping of the sulphur particles takes place. It might be noted that this technique is based on a procedure used successfully for the treatment of mange in horses.

Golfing Events

Blackpool.—The local chemists' and photographic dealers' golfing society held a competition at Fleetwood Golf Club on May 24 for the Coty vase. Scoring was under the Stableford system. Mr. V. Crook was the winner with 38¾ points, the runner-up being Mr. F. Tattersall (38⅜). Mr. A. Barnes, Cleveleys, holed out in one at the eleventh hole (143 yards).

Manchester.—The second competition of the Manchester and District Chemists' Golfing Society (medal round for the captain's prize) was played at Sale golf course on May 18. The leading returns were:—C. L. Compston, 75; A. Davies, 75; F. D. Gee, 76; V. Cromack, 76; J. A. Collins, 79. The tie was played off in the evening and won by A. Davies, C. L. Compston taking the second prize.

The London Chemists' Golfing Society's second meeting of the season was held at Grim's Dyke Golf Club on May 12, when the competitions were keenly contested. In the medal round, for the "Professor Flint" trophy, Mr. C. H. Maile returned 77 − 12 = 65 net (six strokes under the standard scratch score for the course). The bogey competition, for the Thomson cup, resulted in a tie at 5 down between Messrs. R. J. Tweedy, R. Cobban, P. C. Geddes and W. M. Ballantyne, the winner being separated by the result of the last nine holes. Mr. Geddes (all square) was awarded the cup. The leading scores were:—

Medal		Bogey	
C. H. Maile	77 − 12 = 65	C. H. Maile	1 Up
R. J. Tweedy	87 − 15 = 72	P. C. Geddes	5 Down
J. I. Griffiths	93 − 18 = 75	R. J. Tweedy	5 Down
W. M. Ballantyne	87 − 12 = 75	W. M. Ballantyne	5 Down
R. W. Poole	85 − 9 = 76	R. Cobban	5 Down
H. Warburton	88 − 11 = 77	R. W. Poole	6 Down
E. C. Pryce	85 − 9 = 77	H. Warburton	6 Down

In a four-ball match in the afternoon, Mr. F. Eric Lever (vice-captain) holed out in one at the third hole (151 yards).

South Wales.—The first open summer meeting of the Aberdare and Merthyr Branch of the Pharmaceutical Society was held at the Aberdare Golf Club, Abernant, by kind invitation of the committee, on May 19. There were fifty-three entries for the North Glamorgan silver challenge cup (presented by Evans Sons Lescher & Webb, Ltd.), open to pharmacists in South and West Wales; and the two vouchers (presented by Grierson, Oldham, Ltd., London, and D. Tudor Williams & Son, Aberdare). In addition to the competitors, many visitors took part in a putting competition confined to non-golfers and organised by Mr. I. E. Thomas, assisted by Mr. H. T. Rake and other members of the committee. Mr. Marchant Harries (president of the club) welcomed the visitors and referred to the late Sir William Glyn Jones and his association with Aberdare. Mr. A. B. Andrews (branch president) then called upon Mrs. Hughes (wife of the local representative of Evans Sons Lescher & Webb, Ltd.) to present the cup to Mr. Ivor Jones, pharmacist, Glamorganshire, who returned a score of 68 net, playing from a handicap of 15. Mrs. H. Parry, Nelson, presented the runner-up with a box of golf balls. Mrs. A. B. Andrews presented the vouchers to the winners of the open competition. Mr. Andrews presented a special voucher to the winning lady and a gift box to the second lady, afterwards presenting the winning gentleman in the putting competition with a voucher for a pedigree Welsh terrier, and the winning ladies with gift boxes. The meeting was arranged by a sub-committee consisting of the president, Messrs. H. Parry, R. C. Jones, A. A. Jones and the secretary. The following are the results:—

North Glamorgan Silver Challenge Cup

Ivor Jones, Skewen	83 − 15 = 68
A. B. Andrews, Aberaman	85 − 15 = 70

Women's Voucher

Mrs. T. J. Morgan, Pontardawe	109 − 30 = 79
Mrs. I. Greet, St. Mellons	105 − 22 = 83

Voucher Competition

D. L. Williams, Aberdare	75 − 6 = 69
A. Thomas, Aberdare	75 − 6 = 69

Putting Competition

Men, P. T. Rake, Aberdare, after a tie.
Women, Mrs. Murray, Cardiff, and Mrs. G. Thomas, Swansea.

Pharmaceutical Society of Northern Ireland

Council Meeting

THE monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland was held at the headquarters, 73 University Street, Belfast, on May 20, the president (Mr. S. H. Forrest) in the chair. There were also present Messrs. Walter Tate (vice-president), H. F. Moore (treasurer), C. Abernethy, S. Gibson, J.P., J. W. Gray, W. Martin, J. McDowell, J. Glendinning, J. E. Connor, J.P., J. T. Nicholl, J. McGregor, Professor J. Small, and Mr. D. L. Kirkpatrick (secretary).

THE SECRETARY submitted an apology for absence from Mr. S. S. Badger, J.P., and intimated that Mr. Badger hoped to be with them at their meeting in Derry in June.

On the motion of MR. CONNOR, seconded by MR. MOORE, it was decided to send a letter to Mr. Badger congratulating him on his recovery from illness, and expressing the hope that Mrs. Badger too would soon be restored to health.

A vote of condolence with Mr. Martin in his recent bereavement was passed on the motion of MR. GRAY, seconded by MR. GIBSON.

VISIT TO DERRY

THE SECRETARY read a letter from the Derry Chemists' and Druggists' Association expressing pleasure at the decision of the Council to hold their June meeting in Derry and inviting members and their lady friends to join the Association in a motor trip of Lough Swilly.

MR. GLENDINNING said that, speaking on behalf of the Derry Association, he could promise the members of the Council and their friends a most enjoyable time in the Maiden City.

THE PRESIDENT said the Council appreciated the great kindness of their Derry friends, and he was sure that with their co-operation the visit would prove a great success.

The secretary was instructed to write a letter of thanks to the Derry Association.

CONFERENCE DELEGATES' EXPENSES

THE SECRETARY gave a report on the arrangements for the British Pharmaceutical Conference in Edinburgh in September, and asked delegates who proposed to go to notify him so that he could make the necessary hotel bookings.

MR. TATE expressed the opinion that there should be some compromise by delegates on this occasion in the matter of expenses. It was not fair, he thought, that the Society should have to pay all expenses. This time only travelling expenses and book of tickets should be covered by the Society, and the delegates should pay their own hotel expenses. He understood that in the old days it was only by paying the delegates' expenses that they could induce members to go. That was because nobody knew very much about the conference, and it was therefore understandable. Now, however, there was an entirely different state of affairs. Everybody knew the conference was a thoroughly enjoyable affair, and not only enjoyable but beneficial to them in their business because it increased their scientific knowledge, and they always learned a great deal in other ways from the people they met there.

THE SECRETARY, in reply to a question, said the method in England was to pay the travelling and ticket expenses of the official delegates.

MR. TATE said that the Northern Ireland delegates were in quite a different position. They were delegates when they left home, but nothing when they arrived. (Laughter.)

MR. ABERNETHY thought that delegates to the conference were perfectly entitled to their expenses. After all, they left their businesses and sacrificed a considerable portion of their time. He would, however, favour a slight reduction in the expenses granted.

THE SECRETARY said the Council had been in the habit of allowing £100 for this purpose, but they had never used more than £80.

MR. MOORE said he thought this was a reasonable figure.

PROFESSOR SMALL said he had never attended the conference himself, and he was not going this year, but he thought that those who did go should be allowed their expenses. It produced a much pleasanter atmosphere when expenses were paid, and after all delegates were entitled to some little concession in return for their work as Councillors. (Hear, hear.)

On the motion of MR. ABERNETHY, seconded by PROFESSOR SMALL, it was decided that expenses on the same scale as former years should be paid by the Society for delegates attending the conference.

MR. TATE said he did not wish to propose any amendment. He was quite satisfied with expressing his feeling about the matter.

REGISTRATIONS AND ELECTIONS

The Education Committee reported that the following had been granted the certificates of apprentice to a pharmaceutical chemist, and had submitted certificates from the undernoted bodies:—Matriculation examination of Queen's University, Belfast: Eda Violet Patterson, Fortview House, Saintfield, Belfast. Matriculation examination of the National University of Ireland: Charles Gerard Joseph Kane, Church Street, Cookstown. Leaving certificate of Irish Free State: Edith Francis May Musgrave, Leitrim (town), Carrick-on-Shannon, Leitrim. Pharmaceutical preliminary examination of Q.U.B.: Herbert Joseph Wray Henry, Sessiagh, Fintona, co. Tyrone. Senior Certificate examination, Ministry of Education, N.I.: John Watson McConaghy, 12 Victoria Street, Portrush. Junior Freshman examination of Trinity College, Dublin: Victor Anton Henning, Tower Road, Larne.

Messrs. Gibson, Abernethy, Martin, Moore, McGregor, McDowell, Gray, Badger and Nicholl were appointed to attend the June examinations on appointed days.

On the motion of MR. GRAY the Council elected two new members—Messrs. Ernest Barr and William J. Maxwell.

New Books

Hanson, C. W.—*Principles of Advertising for Engineers.* 8 in. by 5 in. Pp. 68. 3s. 6d. Morgan Brothers (Publishers), Ltd., 28 Essex Street, London, W.C.2. [This book shows in no uncertain manner how distinct is the advertising of engineering products from the ordinary everyday articles of commerce such as food substances, etc. It is all the more to be welcomed on that account, since advertisements lacking in technical appeal are worse than useless. The book is presented from the engineering point of view, the writer of advertisements being initiated into the intricacies of advertising technique, so that the reader may readily grasp the advantages of the machine, engine, etc., which is brought to his notice.]

Bentley and Driver. *Text Book of Pharmaceutical Chemistry.* 8¾ in. by 6 in. Pp. 624. Illustrated. 16s. Oxford University Press, Warwick Square, London, E.C.4. [This, the third edition of a useful work, was issued for and is used by pharmaceutical students in this country and throughout the British Empire. The text has been completely revised and the number of pages increased by nearly one hundred. Students for whom it is primarily intended are assumed to have a knowledge of general chemistry up to the Preliminary Scientific examination or intermediate examination for degrees in pharmacy. This has the advantage of enabling the student to concentrate on the required material, elementary chemistry being practically eliminated.]

Glaister, J. *Medical Jurisprudence and Toxicology.* 9 in. by 6 in. Pp. 747. Illustrated. 25s. E. & S. Livingstone, Edinburgh. Sixth edition. [This work, which may be described as the standard text-book of its kind, has undergone considerable revision and many new subjects have been introduced, including the use of filtered ultra-violet light, the technique for sectioning hairs and war gases, which are grouped and described together, their effects and treatment. Among the 50 new illustrations which have been added there are two coloured plates showing poisonous berries and seeds. About one-third of the book is allotted to toxicology, which includes the laws relating to poisons up to the 1933 Pharmacy and Poisons Act, and this constitutes an informative section of the work.]

Military Hospitals' Pharmacopœia

By Alec Rae (Chief Pharmacist, Hospital for Sick Children, London)

THE latest addition to the existing range of hospital pharmacopœias is that recently published by His Majesty's Stationery Office for use in the various military hospitals (*C. & D.*, April 30, p. 495), where it is intended to become the recognised standard in order to facilitate routine dispensing when a change of *personnel* occurs. It has been compiled by a Committee under the chairmanship of the consulting physician to the British Army ; a perusal of its contents leads one to conclude that no pharmacist was a member of that Committee.

The pharmacopœia is a paper-covered booklet of thirty-three pages, with a few blank pages for notes. The prescriptions, of which there are eighty-two, are separated into mixtures, linctuses, prescriptions for children, and preparations for use in the dermatological, ophthalmic and ear, nose and throat departments. Instructions for the treatment of poisoning, with a list of antidotes, occupy six pages. Titles of the prescriptions are in abbreviated Latin, followed by the English translation, and in some cases a synonym. Names of the component drugs or chemicals are in English, the accepted spelling being used in all cases except that of glycerin, which is given a final "e." Mist. acetylsal, c. quinin., a suspension of aspirin and quinine sulphate, has a note directing it to be freshly prepared ; for some reason the same instructions are not given for the mixture of aspirin, phenacetin and caffeine citrate. Incidentally, with regard to the latter, the abbreviation "phen." for phenacetin in the title is not a happy choice. The formula for Mist. pro diarrhœa includes alcoholised sulphuric acid, but there appears to be no other reference to this substance. Mist. rhei. c. soda has compound tincture of rhubarb instead of the customary powdered rhubarb. All mixtures containing potassium citrate have the somewhat small dose of 10 gr., except Mist. buchu co. with 30 gr. Mist. sennæ co. conc. (for field equipment) is a stronger preparation than that of the B.P. and contains liquor for syrup of senna (1-7). Mist. paraldehydi is flavoured with liquid extract of liquorice and made up with peppermint water. Mist. sod. salicyl. has 1 gr. of sodium thiosulphate for every 20 gr. of the salicylate, which should retard the formation of colour during storage. Concentrated infusions are used throughout. The prescriptions for children are intended for ages up to one year ; Mist. chloral (infant) having 2 gr. doses of chloral hydrate is rather strong, usually 1 gr. for each year of age being administered. Mist. ferri phosph. co. (infant) is Parrish's syrup 15 minims with dill water to 1 drachm.

Dermatological Prescriptions

The prescriptions for the dermatological department include several which are similar to those of the same name in the B.P. and B.P.C. The formula for Unna's paste does not state whether the glycerin should be by weight or volume ; full directions for making and applying this are given. Lin. calaminæ consists of equal parts of lime water, olive oil and calamine lotion ; a formula which could be greatly improved. Pasta zinci co., with the sub-title Lassar's soothing paste, is identical with Past. zinci oxid. co., B.P.; the same preparation with 5 gr. of salicylic acid to each ounce is called Pasta zinci co., stim., or Lassar's stimulating Paste. Ung. metallorum contains ichthyol, which is unusual. A salicylic corn paint containing 60 gr. of the acid with flexible collodion to 1 ounce is included and also a dusting powder for the feet (Pulv. acid. salicyl. co.), consisting of salicylic acid in a mixture of zinc oxide and boric acid. Two prescriptions which one would not have expected to find are a lotion for the hair and a glycerin lotion for the hands.

Ear, Nose, Throat and Eyes

The formula for Eusol, among the prescriptions for use in the ear, nose and throat departments, gives detailed instructions for its preparation and storage, following on the recommendations of C. L. M. Brown in his paper read at the British Pharmaceutical Conference, 1937 ; it is unfortunate that the quantities given in the formula to make 20 ounces of Eusol are 120 grains each of chlorinated lime and boric acid, instead of the recognised amount of ¼ oz. avoirdupois. Neb. menth., co. is a solution of menthol, thymol, eucalyptol and oil of pine in liquid paraffin ; a foot-note states that 0.25 to 1 per cent. of ephedrine hydrochloride may be added to this ; since the hydrochloride is insoluble in paraffin it is to be expected that this will be replaced by the alkaloid in future editions. A similar error occurs in the formula for Pigment. cocain. co., an oily preparation one of the ingredients of which is cocaine hydrochloride.

The section devoted to prescriptions for the ophthalmic departments appears to have been compiled with more care than the others. Eye drops of the following approximate strengths are included: atropine sulphate 1 per cent., cocaine hydrochloride 4 per cent., eserine sulphate 0.5 per cent., strong silver proteinate 5.5 per cent., and homatropine hydrobromide with cocaine hydrochloride 2 per cent. of each. Oculent. atropin. is prepared by dissolving the alkaloid in chloroform incorporating with melted soft paraffin, and dispersing the chloroform by heat.

Constituents of Shellac

An interesting paper has been published by Schaeffer and Gardner ("Industrial and Engineering Chemistry," 1938, 333) on the acids present in shellac. They describe a method for fractionating the acids obtained on saponifying shellac, and offer evidence tending to show that shellac may contain three acids which have not been previously reported, and that some of the constituents may be isomers of others already described. The method adopted for the separation of the fractions was as follows:—A clear solution of the shellac in alcohol was obtained, after separation of the wax, etc., by suitable filtration. Saponification was effected by means of sodium hydroxide, and the alcohol removed by distillation. The sodium salts and excess of soda were dissolved in water, and excess of soda converted into sodium carbonate by means of a current of carbon dioxide. The aqueous liquid was evaporated to dryness and the sodium salts dissolved in alcohol, and thus freed from sodium carbonate. The alcohol was removed by distillation, and a calculated amount of a 10 per cent. solution of zinc sulphate was added to the aqueous solution of the residue. A dark coloured precipitate of zinc salts was formed and filtered off (fraction 1). More zinc sulphate was added and a white precipitate obtained (fraction 2). The solution was freed from excess of zinc by the addition of sodium carbonate, and the basic zinc carbonate filtered off. Sodium sulphate was removed by evaporating the solution and extracting the residue with alcohol. Precipitation was then effected by means of lead acetate (fraction 3). The soluble lead salts which remained were converted into their ethyl esters by passing HCl gas into the solution, the lead chloride removed by filtration and the alcohol evaporated. The viscous residue was dissolved in diethyl ether. No crystalline esters were obtained. The liquid ethyl esters were fraction 4.

Fraction 1 was found to be very heterogeneous and crystallisation was prevented by the gummy mass. Aleuritic acid was found to be present. Fraction 2 yielded (*a*) an acid which when prepared through its crystalline methyl ether melted at 97°-97.5°, and had the formula $C_{16}H_{32}O_5$, possibly isomeric with Harris and Nazel's aleuritic acid ; (*b*) aleuritic acid melting at 100°-101° ; (*c*) an ester was obtained melting at 67°-68° which yielded an acid melting at 118°-120°. Whilst the amount of material obtained was too small for exhaustive investigation, the results actually obtained here indicate that the investigation of resinous acids is so beset with difficulties that unless results are confirmed by the preparation of numerous crystalline derivatives they must be accepted with reserve. This particular acid gave combustion results C=57.55 per cent.; H=10.04 per cent. Molecular weight determinations gave two concordant results of 229.5 and 225.2, whilst micro-titration results also gave two concordant results of 321 and 329 as the molecular weights. The examination of fraction 3 did not lead to very definite results. That of fraction 4 indicated the presence of an acid with the empirical formula $C_{16}H_{32}O_6$.

Corner for Students

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 28 Essex Street, London, W.C.2."

Report on the April Analytical Exercise

THE powder distributed to students on April 26 consisted of equal parts by weight of anhydrous sodium sulphate, sodium pyroborate (borax), and sodium acetate. The calculated composition of such a mixture is:—

Na	20.5
SO_4	22.5
B_4O_7	13.6
$C_2H_3O_2$	14.5
H_2O	28.9
	100.0

Samples of the powder were distributed to fourteen students and six reports of analyses were returned. Sodium and the radical of sulphuric acid were reported in each analysis, but the borate was missed in one instance and the acetate in three. The abundant evolution of water on heating the powder was duly mentioned in every report.

This exercise presented a comparatively simple example of an analysis that involved little more than the side by side detection of the acidic radicals, since sodium, the only metal present, was at once recognised in the preliminary examination and group reagents gave negative results throughout. Despite the simple character of the exercise, the reports submitted furnished a number of points that are worthy of comment:—

In the preliminary examination, the fact was almost uniformly overlooked that at a late stage during the heating in a tube or on a fragment of porcelain, the mass, from which the water had then been driven off, rapidly darkened and yielded a black residue. This darkening was due to the decomposition of the acetate—a change that only took place at a moderately high temperature, but which served as a pointer towards the possible presence of organic matter. Failure to observe this was probably responsible for the failures to test for and to detect the acetate.

In connexion with the presence of an acetate it is to be noted that a distinct odour of acetic acid was perceptible when the powder was heated with dilute sulphuric or hydrochloric acid, but this was not generally reported. It is a safe proceeding to test an unknown substance by gently heating with dilute sulphuric as well as with dilute hydrochloric acid, since the latter acid is not altogether non-volatile and there is a risk of its pungency being mistaken for that of acetic acid by students who have not trained themselves to distinguish by smell between hydrochloric acid, acetic acid, and sulphur dioxide when these are liberated in small proportion only.

Students are frequently over-confident in testing for potassium solely by the flame test in conjunction with a blue glass. As a rule the thickness of a single piece of this glass is insufficient to cut off the sodium coloration entirely, and two or more additional pieces may be required. Safety may be ensured by experimenting beforehand to ascertain how many pieces are necessary to cut off completely the colour imparted to the flame by a strongly heated bead of sodium carbonate or borate. Of course, confirmatory tests for potassium should not in any case be omitted.

The presence of calcium and of a chloride was reported by more than a single student, but ammonium oxalate failed to produce any precipitate in an aqueous solution of the powder, while silver nitrate similarly failed when added to a solution that had been previously acidified with nitric acid. The origin of the calcium and of the chloride is unexplained.

PRIZES

The First Prize for the best analysis has been awarded to:—
JOHN SUMMERS, 28 Forthill Road, Broughty Ferry, Angus.

The Second Prize has been awarded to:—
WM. H. DAVIES, Arosfa, Western Road, Pontardawe, Glam.

First Prize.—Any scientific book that is published at a price not greatly exceeding fifteen shillings may be taken as a first prize.

Second Prize.—Any scientific book which is sold for about seven shillings and sixpence may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the publisher, naming the book or books they select.

MARKS AWARDED FOR ANALYSES

1. *Correspondents who have not passed in Chemistry:*—

John Summers (1st Prize)	83	Quantum	74
Wm. H. Davies (2nd Prize)	75	Phoria	44

2. *Correspondents who have passed in Chemistry:*—

Proton	94	Jay Kay	87

TO CORRESPONDENTS

J. SUMMERS.—It is probable that the precipitate that you observed on boiling a solution of the powder with nitric acid and ammonium molybdate consisted of molybdic anhydride. This substance is often precipitated when a molybdate solution is employed that will not remain quite clear when boiled with an acid. Special preparation is necessary in order to obtain a suitable solution of ammonium molybdate. We were not able to confirm the reactions that you attributed to arsenic.

W. H. DAVIES.—The white fumes that led you to suspect a chloride were doubtless due to the volatilisation of some sulphuric acid. The white precipitate produced on adding silver nitrate to the aqueous solution of the powder consisted of silver borate, and it disappeared without residue in dilute nitric acid.

PHORIA.—In the test for a nitrate the appearance at the interface between the solution and the sulphuric acid must have misled you into supposing that a nitrate was present, but a dark-coloured layer was entirely absent. Examine this matter as it is presented by carefully layering sulphuric acid in a test tube with water only.

The Analytical Tournament

The exercise now reported upon is the concluding one of the session's tournament series. The numbers of the monthly competitors remained small in comparison with some recent years, but good work was done by various students who either persevered throughout the competition or who sent in only occasional monthly reports. Twenty-six students in all participated in the tournament and a feature was that a number of the regular competitors were students who had already passed in chemistry. Although the latter were not eligible for the usual monthly prizes, some persevered to the close of the competition, no doubt with a possible view to obtaining places in the tournament awards. These awards are intimated below.

The first place is taken by a competitor who has already passed in chemistry—"Jay Kay" (Mr. John Knox, 8 Rutland Street, Ormeau Road, Belfast)—with an aggregate of 523 marks, comprising 94, 77, 96, 87, 82 and 87, and to him the First Prize of books to the value of £3 3s., with a Certificate of Honour, has been awarded.

The second place is taken by a competitor who has not passed in chemistry—"Usque conabor" (Mr. John Summers, 28 Forthill Road, Broughty Ferry, Angus)—with an aggregate of 473, made up of 83, 55, 79, 96, 77 and 83, and to him the Second Prize of books to the value of £2 2s., with a Certificate of Honour, has been awarded.

The third place is taken by a competitor who likewise has not passed in chemistry—"Quantum" (Mr. Frank S. Evans, 6 Brooklands, Bridgetown, Totnes)—with an aggregate of 405, made up of 91, 68, 74, 51, 47 and 74, and to him the Third Prize of books to the value of £1 1s., with a Certificate of Honour, has been awarded.

We send our congratulations to these successful competitors, and our thanks to the others who participated in the tournament for their interest and efforts. The prize-winners are requested to communicate at once with the Publisher, stating the books that they wish to receive as prizes.

Trade Notes

ANTOINE CHIRIS, LTD., 17 and 18 Bishops Court, Old Bailey, London, E.C.4, have been appointed from May 15 sole selling agents in the British Isles of Pilar Frères, Grasse. Stocks of Messrs. Pilar's products will be carried in London.

A GILLETTE COMPANION.—A new holiday offer comprising Gillette razor, three blue Gillette blades, a shaving brush and shaving soap is made at an attractive price. The circular relating to this companion set has been posted to 25,000 retailers in Great Britain and Northern Ireland. A useful showcard directing attention to this set is packed with each dozen. Further details may be obtained from Gillette Industries, Ltd., Gillette Corner, Great West Road, Isleworth, Middlesex.

REDUCED PRICES.—Bourjois, Ltd., Queens Way, Croydon, Surrey, announce a reduction in price of their well-known Evening-in-Paris perfumes, beginning June 1. Retail prices will be reduced from September 1. Full details are given in this issue.

KORAY TABLETS.—New generous trade terms for those who stock Koray tablets are mentioned in our advertisement pages. The offer, it is stated, makes Koray tablets one of the most attractive propositions from a profit-making point of view. Attractive display material is available, and supplies of free samples to chemists may also be obtained from Koray, Ltd., 5A Gillespie Road, London, N.5.

PARFUMERIE D'ORSAY, which is recognised as quality perfumery, is advertised in this issue, the notice taking the form of a brief description of Count D'Orsay, who was one of the elegant figures of an earlier period. These perfumes are made by D'Orsay, *parfumeur*, 17 rue de la Paix, Paris, whose London address is 54 George Street, Baker Street, London, W.1.

NEW NIVEA SUMMER SHOW.—The attractive layout obtainable with Nivea cream and other Beiersdorf products is displayed in our advertisement pages. The bonus offer is still in force. Full details may be obtained from Beiersdorf, Ltd., whose distributors are Thos. Christy & Co., Ltd., Old Swan Lane, London, E.C.4.

PLASTIKA.—A new photographic printing paper to match the characteristic tone variations of modern negative material has been introduced by Ilford, Ltd., Ilford, under the title Plastika. The paper reproduces slight differences in highlight tone without clogging the shadows. A brochure-folder describing Plastika, which is issued in three surfaces and in three contrasts, has been prepared and is obtainable from the makers. A twenty-page booklet, handsomely illustrated, advertising Selo films, has also been prepared. This is intended for distribution to customers; application for supplies should be made to Ilford, Ltd.

BONUS OFFER.—Ricil's, the new cosmetic which is nationally advertised, is the subject of a bonus offer until June 30. Supplies may be obtained from all wholesalers or direct from the sole chemists' distributors: Brooks & Warburton, Ltd., 232-240 Vauxhall Bridge Road, London, S.W.1.

PRICE REDUCTION.—M. J. Fecher, Ltd., 10 Dod Street, London, E.14, advertise in this issue their new reduced prices of Oiltite drop bottles. Attention is also directed to their iodine bottles with the Hollopeg bakelite closure, which is obtainable either with brush or glass and is described to be foolproof. Supplies are obtainable from wholesale houses or from the makers.

VINOLIA NEW CUT-OUTS.—We have received from Vinolia Co., Ltd., Bebington, Cheshire, specimens of two new cut-outs available for the trade. The first directs attention to Vinolia soap, linking up with the current advertising theme of freshness. The second is to assist sales of Vinolia baby powder, baby cream and baby soap, the background being the picture of a happy baby. These cut-outs are suggested for special summer displays, and applications should be sent the above address. The first-named may be ordered as No. 260 and the second as No. 225.

NAILOID DISPLAY HOLDER.—Illustrated on this page is a new cut-out card printed on super-varnished board in four-colour litho as a sales promoter of Nailoid. The advantage of this is that the new Nailoid card is slipped into the slotted struts, and the chemist has thus a convenient and attractive display item for his counter. Nailoid is made by Allcock Manufacturing Co., 22 Hamilton Square, Birkenhead.

AIR-RAID OUTFIT. — We have received from A. De St. Dalmas & Co., Ltd., Junior Street, Leicester, a brochure which they are issuing to about 6,000 retail chemists. In this publication an air-raid precautions outfit is described, and this is intended for making a room entirely gas proof. The keeping properties of the contents have been tested. The outfit is very comprehensive, and we understand that air-raid precaution officers who have examined it have expressed their entire satisfaction. It is issued in two qualities. In the booklet diagrammatic representations are given to illustrate method of procedure, together with the contents.

ENDRINE BONUS OFFER.—A bonus offer of Endrine, for hay fever, catarrh and summer colds, is made in this issue. Endrine may be obtained from the wholesalers or from John Wyeth & Brother, Ltd., 25 Oldhill Place, London, N.16.

DINNEFORD'S MAGNESIA TABLETS are being introduced to the public by means of an intensive advertising campaign. The tablet form of this remedy is suggested on the ground of convenience and is not intended to prejudice the original Dinneford's pure fluid magnesia. Chemists are invited to increase stocks in view of the growing demand. This product is made by Dinneford & Co., Ltd., 12 Clipstone Street, London, W.1.

ENSIGN PUBLICATIONS.—We have received from Ensign, Ltd., copies of their latest six publications, including the general trade and D. and P. catalogues which are reserved for the use of their dealers. Copies of all the other publications are obtainable free of charge on application to Sales Department, Ensign, Ltd., 88-89 High Holborn, London, W.C.1. The publications referred to in addition to the catalogues are "Photo-Finishing Apparatus," "Achievement" booklet, "If Only" midget booklet, "Cinematography for All."

Births

Notices for insertion in this column must be properly authenticated.

HOLMES.—At Wallington, on April 25, the wife of Thomas F. Holmes, M.Sc., daughter of Mr. H. C. Meyrick, L.P.S.I., M.P.S., London, S.W.1, of a son.

NOTTINGHAM.—On May 19, Irene, the wife of Raymond Nottingham, M.P.S., Northampton, of a daughter.

Marriages

HUGHES—SMITH.—At Orchardhill Church, Giffnock, Glasgow, on May 21, Frank Rhys Hughes, chemist and druggist, to Margaret Smith.

Deaths

JAMES.—At Barmouth and Dolgelly Hospital, on May 6, Mr. David Evan James, M.P.S., The Pharmacy, King Edward Street, Barmouth, aged sixty-five.

LONG.—Recently, Mr. Sydney George Hadlow Long, M.P.S., Mylor, Falmouth. Mr. Long qualified in 1892, and for the next few years carried on business at Dover. He removed to North-East London soon after 1900, and built up a successful connexion comprising six pharmacies. Eventually he disposed of his interests and retired. His wife predeceased him about three years ago.

WELCH.—At Durham, recently, as the result of an accident, Mr. James Welch, M.P.S., Stoke Ferry, Norfolk. Mr. Welch passed the Minor examination of the Pharmaceutical Society in 1903.

Personalities

MR. CHARLES HUXTABLE, M.P.S., Paignton, recently gave a lecture on pharmacy to the local Rotary Club.

MR. E. A. GARRICK, M.P.S., has been granted permission to practise as a chemist and druggist in Jersey.

MR. F. W. TAYLOR, Ph.C., and MRS. TAYLOR, Newport Pagnell, have recently celebrated their golden wedding.

ALDERMAN C. A. CRITCHLEY, J.P., Ph.C., was among those presented to the King and Queen on their recent visit to Blackburn.

MR. P. F. ROWSELL, C.B.E., was presented to Queen Mary on the occasion of Her Majesty's visit to the University College of the South-West, Exeter.

MR. H. S. HOLDSWORTH, of H. S. Holdsworth & Co., Ltd., chemists, Broken Hill, Northern Rhodesia, is on a visit to this country until September and may be addressed c/o Keep Brothers, Ltd., 62 Finsbury Pavement, London, E.C.2. Mr. Holdsworth passed the Pharmaceutical Society's Minor examination in London in 1907.

MR. J. HERBERT E. EVANS, chairman of Evans Sons Lescher & Webb, Ltd., Liverpool, has been appointed chairman of Evans Sons Lescher & Webb (Ireland), Ltd., in succession to the late Mr. T. E. Lescher. The new chairman of the Irish company is the grandson of the founder of the firm and nephew of the late Sir Edward Evans.

MR. D. S. B. ANDERSON, managing director, Stuart Jones & David Anderson, Ltd., wholesale and manufacturing chemists, Durban, South Africa, is due to arrive in London on July 6 for a two weeks' visit. His business address will be c/o Fowlie, Reid & Wills, Ltd., 3 Chapel Street, Milton Street, E.C.2. Mr. Anderson, who is a member of the S.A. Poisons Board, is on a world tour with some of his family.

MR. DAVID LEWIS, who was elected chairman of the Cardigan, Carmarthen and Pembrokeshire Branch of the Pharmaceutical Society recently, was the proprietor of Hamer & Lewis, chemists, Pendleton, Manchester, for over thirty-five years, retiring in July 1934. He was apprenticed at Aberystwyth, and passed the Major examination in 1894. From 1911 to 1934 he was a member of the Salford Pharmaceutical Committee and the Pharmaceutical Service Subcommittees. When the B.P.C. visited Manchester he was secretary of the transport committee. After retiring Mr. Lewis went on a visit to the U.S.A. and Canada before settling at Cardigan Bay. Mr. Lewis is a life member of the Pharmaceutical Society.

MR. H. C. CHRISTENSEN, Chicago, is the 1938 holder of the Remington medal, which is awarded annually to "the man or woman who has done most for American pharmacy during the preceding year or during a longer period of outstanding activity." Mr. Christensen is secretary of the National Association of Boards of Pharmacy and was president of the American Pharmaceutical Association in 1931. He is also a member of the executive committee of the U.S. National Drug Trade Conference and a member of the American Council on Pharmaceutical Education. In 1933 he was elected a Fellow of the American Association for the Advancement of Science. Mr. Christensen was awarded the medal for his effective work in securing the system of inter-State registration of pharmacists, in creating and conducting the exhibits on historical pharmacy at the Chicago and Texas Expositions. Portrait, p. 609.

MR. A. E. THORPE, who was recently elected chairman, Manchester and District Branch, National Pharmaceutical Union, was apprenticed in Manchester and served in H.M. Forces before returning to study at Victoria University, Manchester. He qualified in 1922 and took up a position in the Potteries before returning to Salford. In 1924 he was one of the founders of the junior section of the Manchester, Salford and District Branch of the Pharmaceutical Society, serving for some years as chairman. In 1925 he commenced business on his own account in Manchester, and in 1929 was instigator and a founder of the Manchester Pharmacy Club, serving as secretary during the club's existence. For a number of years he has been a member of the executive of the Manchester Pharmaceutical Association and Manchester, Salford and District Branch of the Society. He is a member of the Manchester Pharmaceutical Committee. Portrait, p. 609.

MR. J. SPAANDERMAN, who was recently re-elected chairman of the Mansfield and District Branch of the Pharmaceutical Society, was apprenticed to Mr. D. Ellis, Nottingham, in 1922. After serving as assistant to the late Mr. J. T. Robson, Nottingham, he qualified in 1929 from the University College School of Pharmacy, Nottingham. He was manager to the late Mr. A. Shepperton, Kirton, Lincs, and subsequently to Bailey & Co., Stanton Hill, Notts, before opening his own business at Huthwaite in 1931. Mr. Spaanderman was for four years secretary of the Mansfield and District Branch and became its chairman in 1937. He is a member of the Nottinghamshire Pharmaceutical Committee and of the science advisory committee of the County Technical College, Mansfield. He was responsible for the inauguration of the North Nottinghamshire Chemists' Association and Branch of the National Pharmaceutical Union, of which he is secretary. Portrait, p. 609.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Tuesday, May 31

Association of Pharmaceutical Employees, 17 Bloomsbury Square, London, W.C.1, at 9 p.m. General meeting. Discussion opened by Mr. W. Atkinson.

Wimbledon Pharmacists' Association, Wimbledon Town Hall, at 8.30 p.m. Annual meeting. Mr. W. S. Howells on "P.A.T.A. Matters."

Wednesday, June 1

Scottish Chemists' Bowling Association, Dundee Greens. Annual Ayrton Saunders Trophy Competition. Draw takes place at Royal British Hotel, Dundee, at 1 p.m. Annual meeting, at Royal British Hotel, at 5.30. Competition entries not later than Monday, May 30.

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Information Department

INFORMATION WANTED

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B/25 Aseptalin
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B/25 Crystoclear lens cleaner
B/25 Maridel suppositories
M/21 Sozon Oil
F/18 Thermostat hot-water bottles
B/25 Vero massage glove

THE
CHEMIST AND DRUGGIST
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Pharmaceutical Employees' Organisation

There are encouraging signs that a greater interest is being taken throughout the country in the proposed formation of an organisation for pharmaceutical employees which will be free from political bias. As a foundation for any successful attempt at unity, it is obvious that so far as pharmacy is concerned, the political side is and must be practically non-existent, and it has been shown in these columns that the employees' case is in many respects that of the employers. There is less possibility of a conflict between, say, capital and labour in pharmacy, than perhaps in any other sphere with the notable exception of the medical profession. There are, of course, larger employer interests in pharmacy whose operations must of necessity include the employment of qualified chemists in order that they may be able to carry on their business as chemists.

The Pharmacy and Poisons Act, 1933, has enormously increased the importance of the employee-pharmacist, since no chemist's business can be carried on unless there is a qualified person in charge. This newly-found power, if it is to be used for the benefit of pharmaceutical employees, should also be used to improve the conditions which operate in pharmacy as a business. The Pharmaceutical Society has no power to assist pharmaceutical employees in any way appertaining to business matters, that is to say, although it has been officially suggested that the minimum rate of payment for an assistant should be £200, the Society is not in a position to enforce this scale as a minimum standard; as is generally accepted, a minimum scale is too apt to become a maximum one. Since many pharmaceutical employees are destined always to remain as such, they must endeavour to find ways and means of increasing the importance of pharmacy as a business, so that not only may employees gain an advantage, but also employers. The supreme difficulty which any association of employees is bound to come up against is that of adequate interest due to the fact that assistants are a scattered community, especially in the great cities and towns. Organisation should not be left to assistants who have only their spare time in which to operate, for there is much work to be done if the scheme is to meet with success. A whole-time organiser is practically a *sine qua non*. Office staff and equipment is also essential; thereafter, local branches must be formed in the same way as the National Pharmaceutical Union is run for the employers. All this costs money, but without funds it is difficult to see how any suggested organisation for the improvement of conditions of pharmaceutical employees can ever hope to be anything other than shortlived.

New Crop Cascara Sagrada

A year ago the shipment quotation for new crop bark opened at about 60s. per cwt., c.i.f,, with the increased cost of collection given as the reason for this comparatively high figure. Ultimately, however, due to the lack of demand, the figure gradually moved down to 42s. 6d., c.i.f., and then recovered at the end of June to about 47s. 6d. This season, the first shipment offers, purely speculative, were at about 45s., c.i.f., with buyers not interested. Then followed offers down to 41s., with buyers still holding off. Quotations this week have been on a still lower level, ranging from about 37s. to 37s. 6d., c.i.f., for minimum car-load lots of 15 tons, and again there has so far been little evidence of any bulk buying on the part of consumers. The quantity of stocks of old bark available on spot is said to be very moderate and the position here, therefore, is fairly sound. The apparent weakness at the source is possibly due to the general opinion that there are comparatively fair quantities of last season's bark still on hand; this is confirmed by recent offers of quantities of up to 40 tons as recently as this month. In view of world trade conditions, it is possible buyers have adopted the right attitude in waiting, but there is little doubt the market will turn directly a few orders are sent out. The current shipment quotations are not likely to induce the peelers to bring in a large crop and there can be very little margin for shippers, after meeting all expenses. It is of interest to note that, after an absence of a year or two, there are offers of Canadian bark on the market. Imports direct from this source would be landed free of duty.

The Rise in Mercury

At the beginning of this year the shipment quotation for Spanish-Italian mercury was 64 dollars, f.o.b. Continent (spot, £12 17s. to £12 17s. 6d.) per bottle, and it remained at this figure until towards the end of April, when a reduction of two dollars to 62 dollars, f.o.b., was recorded. The demand during the first three months of the year, so far as this market was concerned, seems to have been rather poor and certainly less than was the case throughout 1937. It was thought, therefore, that the reduction notified five weeks ago was a normal movement to induce better sales. The advance recorded this week, of no less than six dollars, to 68 dollars, f.o.b. (spot £13 18s. to £13 18s. 6d.) was not anticipated. The reason for this substantial increase may possibly be due to the very much smaller production at the Spanish mines during the past operating season, while at the same time sales to the world's markets may have been maintained. At the former cost of 62 to 64 dollars, f.o.b., the home makers of mercury salts have had to contend with keen competition, and their scales of prices, in order to obtain business, were maintained at the lowest level. Now that a further six dollars per bottle will have to be paid for the metal they will have to sell at a loss if they are successfully to meet competition in this market, despite the protection afforded them under the Key industry duties. Their position as regards export business is, under prevailing circumstances, rather precarious. The home market may, of course, be protected by the imposition of an appropriately higher rate of duty than is at present in force, and such action would appear to be justified under the circumstances, but it is hoped the quotation for the metal for shipment to this market will revert fairly soon to at least the figure quoted in the earlier months of this year.

New French Codex

(*Continued from* THE CHEMIST AND DRUGGIST, *May* 21, *p.* 583)

Notes on Biological Products

The following is a summary of the monographs on all the biological products appearing in the new Codex :—

Corpus Luteum

CORPS JAUNE, EXTRAIT PURIFIÉ DE (new).—Prepared from enucleated corpus luteum of the sow, deprived of folliculin and evaporated to dryness. The residue is distilled (0·001 mm.) at 110°–120° C. A yellow, almost colourless oily distillate which may deposit crystals. 3 to 5 mgm. corresponds to 1 unit of progesterone.

CORPS JAUNE, SOLUTÉ INJECTABLE D'EXTRAIT PURIFIÉ DE (new).—Obtained by dissolving the purified extract of corpus luteum in neutralised, sterilised olive oil after determining biologically its content of progesterone. Same specific activity as the official injectable solution of progesterone, and standardised at 1 mgm. per c.c. Subject to Law 14, June, 1934.

CORPS JAUNE, HORMONE DU (new).—Crystalline substance obtained from corpus luteum of various mammifers or by synthesis from the natural sterol, stigmasterol. Two crystalline isomers, progesterone-α rhombic, m.p. 128° C. and progesterone-β, monoclinic needles, m.p. 121° C. (uncorrected); this latter is the official product. 1 mgm. represents 1 internat. unit of progesterone.

CORPS JAUNE, SOLUTÉ INJECTABLE DE L'HORMONE DU (new).—1 mgm. per c.c. of progesterone dissolved in neutralised and sterilised olive oil. Standardised biologically. Ampoules of coloured glass.

Œstrogenic Hormones

FOLLICULINE (new).—Obtained from the urine of pregnant animals. White crystalline substance; m.p. 259°–260° C. Colouration test : Mix in a test-tube a few mgm. of folliculin with 1 c.c. of official sulphuric acid, yellow colouration which later presents an intense green fluorescence. Add cautiously 5 c.c. water and heat a few minutes on a boiling water-bath, pink colouration with slight greenish yellow fluorescence.

DIHYDROFOLLICULINE (new).—From the urine of pregnant animals or synthetically from folliculin. White crystals; m.p. 174°–175° C. (corrected). Same colouration test as for folliculin.

BENZOATE DE FOLLICULINE (new).—Obtained by usual chemical methods. White crystals; m.p. 218·5°–221° C. Same colouration test as for folliculin.

BENZOATE DE DIHYDROFOLLICULINE (new).—Obtained by usual chemical methods. White crystals; m.p. 190° C. Same colouration test as for folliculin.

OVAIRE, POUDRE D' (1908).—Mixture of powdered heifer, sow, and ewe ovaries. Deprived of all adventitious tissue. Light grey to yellowish grey. Not less than 7 per cent. lipoids. Not less than 10 internat. units of folliculin per gm.

Pituitary

HYPOPHYSE, POUDRE D' (new).—Powdered complete gland (ox, horse, or sheep), deprived of all peri-glandular tissue. Not less than 100 internat. units of posterior lobe per gm. (1 unit = oxytocic activity of 5/10 mgm. standard posterior lobe.)

HYPOPHYSE, POUDRE DE LOBE ANTÉRIEUR (new).—Anterior lobe (ox or horse) separated from posterior lobe by dissection. Various hormones, principle being gonadotropic.

HYPOPHYSE, POUDRE DE LOBE POSTÉRIEUR (new).—Posterior lobe (ox or horse) separated from anterior lobe by dissection. Antidiuretic, oxytocic and vasoconstrictor principles. 1 gm. must represent not less than 1,000 oxytocic units (1 unit = oxytocic activity of 5/10 mgm. standard posterior lobe).

HYPOPHYSE, SOLUTÉ INJECTABLE DE LOBE POSTÉRIEUR D' (new).—The strength to which this solution is adjusted may vary according to purpose. For obstetric purposes a solution containing 10 internat. units per c.c. is usual. Label must state number of oxytocic units per c.c. and date of manufacture. Clear liquid, almost colourless, slightly acid (*p*H = 3·5 to 4). Oxytocic activity less stable if *p*H exceeds 4. Store at temperature of 2° to 4° C. To be used within 18 months of manufacture.

Suprarenal

SURRÉNALE, POUDRE DE GLANDE (new).—Chiefly from ox and horse. Desiccated and powdered. Light chamois colour gradually becoming brown. Not less than 1 per cent. adrenaline.

SURRÉNALE, SOLUTÉ INJECTABLE D'EXTRAIT DE GLANDE (new).—Each c.c. must contain the active principles corresponding to 0·2 gm. of fresh suprarenal capsules, or better a quantity of these principles which corresponds to 2/10 mgm. adrenaline per c.c.

Thyroid

THYROÏDE, POUDRE DE GLANDE (new).—From ox, horse, sheep and pig. Desiccated and powdered. Pink-grey powder. Dried at 105° C. must not contain less than 2 : 1,000 organic iodine.

THYROÏDE, SOLUTÉ INJECTABLE DE GLANDE (new).—Each c.c. must contain the active principles corresponding to 10 cgm. fresh thyroid, or more exactly, a quantity of this principle which corresponds to 2/100 mgm. of iodine per c.c.

Pancreas

PANCRÉATINE (supple. 1920).—Pancreas of pig, deprived of lipoids by ether and dried. Contains trypsin, diastase, lipase. Light yellow powder. Activity destroyed by heating in aqueous media above 60° C.

INSULINE (new).—The blood-sugar reducing hormone of the pancreas (ox, pig, horse). Must contain at least 15 internat. units per mgm. Value in units must be stated on the container. Standard insulin, specially purified, contains 24 internat. units per mgm. Store at 1° to 2° C.

INSULINE, SOLUTÉ INJECTABLE D' (new).—Insulin dissolved in double-distilled and sterilised water, acidified with HCl. Generally rendered isotonic by addition of glucose or mineral salts. 20 internat. units per c.c. *p*H from 2 to 3·5. Containers of *absolutely* neutral glass. Certain quantity of antiseptic may be added.

Liver and Bile

FOIE, POUDRE DE (1908).—Desiccated and powdered pig liver. Yellow-brown to green-brown powder. Not less than 9 per cent. lipoids.

BILE DE BŒUF PURIFIÉ, EXTRAIT DE (new).—Ox bile, 1,000 gm.; alcohol 90 per cent., 1,000 gm.; alcohol 70 per cent., 200 gm. Evaporated under reduced pressure, temperature below 50° C. to a firm extract.

BILE PURIFIÉ ET DESSÉCHÉ, EXTRAIT DE (new).—As for purified extract of ox-bile, but before distilling the alcohol, treat the alcoholic solution with a mixture of 5 gm. charcoal and 5 gm. fuller's earth for each 1,000 c.c. of the solution. Powdered and passed through sieve, 0·200 m.m. mesh. Should be kept in bottles capped with paraffin.

Pepsin and Peptones

PEPSINE (1908 and supp. 1920 modified).—Extracted by maceration or acide autolysis from the gastric mucous membrane of the pig and deprived of part of the peptones by the usual physico-chemical means. Yellow translucid or opaque scales or yellowish white powder.

PEPTONES.—The peptones médicinales of the 1908 Codex have been replaced by :—

Peptone iodée.—Pancreatic peptone, 100 gm.; iodine, 10 gm.; water, 100 gm.; glycerin, 10 gm.; oil of sassafras, 2 drops.

Peptone Pancreatique.—Obtained by proteolytic action (six hours) of pancreatin on beef. Spongy mass or granular powder.

Peptone Pepsique.—Obtained by the proteolytic action of pepsin on fibrin. Used for preparation of injectable solutions of peptone.

Antitoxins

ANATOXINE DIPHTÉRIQUE (new).—Clear liquid, generally coloured blue (methylene blue) to distinguish it from other antitoxins; odour of culture broth. Each c.c. of antitoxin must contain 10 antitoxic units. This unit is the amount of antitoxin which will neutralise 1 antitoxic unit. League of Nations' innocuity and flocculation tests.

ANATOXINE STAPHYLOCOCCIQUE (new).—Yellowish brown liquid; odour of culture broth.

ANATOXINE TÉTANIQUE (new).—Yellowish brown, clear liquid; odour of culture broth.

Serums

The preparation and sale of antitoxins, serums, vaccines, etc.' must be authorised by the Government under the conditions laid down in the Law 14, June, 1934.

SÉRUM NORMAL DE CHEVAL (new).—From healthy animals not subjected to ablation or grafting of organs or tissues or to immunising injections, except antitetanous vaccination.

SÉRUM ANTIDIPHTÉRIQUE (1908 modified).

Coryneb. diphtheriæ. The new Codex gives three forms :—

Liquid.—At least 300 internat. units per c.c. (Some serums contain up to 1,000 units); the content in units must be stated on the container. Purified.—Deprived of part of the globulins. At least 300 units per c.c. (Some contain up to 2,000 units.) Dried.—Obtained by desiccation of liquid or purified serum. To be stored in hermetically sealed containers on which is stated the total number of units.

SÉRUM ANTIDYSENTERIQUE (supp. 1920).

B. dysenteriæ Shiga.—200 antitoxic units per c.c.

SÉRUMS ANTIGANGRÉNEUX (new).

Monovalent serum of one of the five following anærobic organisms :

Polyvalent serum of all five organisms, in the following proportions: serum antiperfringens, 4; antivibriosepticus, 4; anticedematiens, 2; antihistolyticus, 1; antisporogenes, 1. The monovalent serums must contain at least 100 internat. units per c.c. in the case of antiperfringens, antivibriosepticus and antihistolyticus, and 1,000 internat. units per c.c. in the case of antiœdematiens. The antisporogenes serum is mainly antifermentive.

SÉRUM ANTIMÉNINGOCOCCIQUE (suppl. 1920).—*M. meningitidis cerebrospinalis* (types A, B and C).

SÉRUM ANTIPESTEUX (1908).—*B. pestis.*

SÉRUM ANTIPNEUMOCOCCIQUE (new).—*Diploc. pneumoniæ* (I, II, III). At least 200 internat. units per c.c.

SÉRUM ANTISTAPHYLOCOCCIQUE (new).—*Staph. pyogenes,* var. *aureus, citreus* and *albus.* At least 200 internat. units per c.c.

SÉRUM ANTISTREPTOCOCCIQUE (1908).—*Strep. pyogenes.* As obtained from animal (liquid) or with part of globulins eliminated (purified or concentrated).

SÉRUM ANTITÉTANIQUE (1908).—*B. tetani.* Liquid.—At least 300 units per c.c. Purified.—Deprived of part of its protein. At least 300 units per c.c. Dried.—By desiccation of either of the above.

SÉRUM ANTIVÉNIMEUX (1908).—Venom of snakes, species differing in accordance with territory. (In France—viper.) These serums keep for several years. Also obtainable dried.

TUBERCULEUX, ANTIGÈNE (new).—Antigenic principles of *M. tuberculosis* (Bovine and human). 1 c.c. corresponds to 10 mgm. of dried bacilli.

TUBERCULINE BRUTE (1908).—(In 1908 Codex, placed among veterinary medicaments.) By evaporation of sterilised and filtered cultures of *M. tuberculosis* (Bovine and human). As it is (cuti-reaction); 1 : 100 in saline solution (ophthalmo-reaction); 1 : 1,000 (intradermo-reaction).

Vaccines

VACCIN ANTICHOLÉRIQUE (new).—Suspension, in official sol. sod. chlor., of various cholera vibrions killed by heating one hour at 56° C. (4,000 millions per c.c.).

VACCIN ANTIGONOCOCCIQUE (new).—Suspension, in official sol. sod. chlor., of organisms, killed by heating for one hour at the minimum temperature suitable for the strain used (4,000 millions per c.c.).

VACCIN ANTIMÉNINGOCOCCIQUE (new).—An aqueous suspension of different strains (A, B and C), killed by heating for one hour at a minimum temperature to be determined for each strain (6,000 millions per c.c.).

VACCIN MIXTE ANTIDIPHTÉRIQUE, ANTITÉTANIQUE ET ANTITYPHOPARATYPHOÏDIQUE (new).—Mixture in suitable proportions of tetanus antitoxin, diphtheria antitoxin, and antityphoparatyphoid vaccine (1 c.c. contains 0·388 c.c. diphtheria antitoxin, 0·558 tetanus antitoxin, 1,050 millions typhoid bacilli, and 700 millions each paratyphoid bacilli A and B).

VACCIN ANTIPESTEAUX (1908).—A culture of organisms heated for 1 hour at the optimum temperature to destroy the particular strain used (c. 70° C) (1 c.c. contains 2½ mgm. of dead organisms, weighed dry).

VACCIN ANTIPNEUMOCOCCIQUE (new).—Suspension, in official sol. sod. chlor., killed by heating one hour at minimum temperature suitable for strains used (8,000 millions per c.c.).

VACCIN ANTIRABIQUE (new).—Suitably attenuated rabies virus, suspended in official sol. sod. chlor. Not supplied by pharmacists, but used on the spot by the Pasteur Institutes and Antirabies Bureaux.

VACCIN ANTISTAPHYLOCOCCIQUE (new).—Two vaccines for (*a*) furunculosis, and (*b*) staphylococcic osteomyelitis. Suspension, in official sol. sod. chlor., of *staph. aur.* et *alb.*, killed by heating for one hour at a temperature suitable for the strains used (*Staph. aur,* 4,500 millions; *Staph. alb.-anti-furunculosis,* 1,500 millions per c.c.; *Staph. aur.,* 2,000 millions; *Staph. alb.-anti-osteomyelitis,* 1,000 millions per c.c.).

VACCIN ANTITYPHO-PARATYPHOÏDIQUE (new).—Triple antityphoid and anti-paratyphoid A and B most often used. Suspension, in official sol. sod. chlor., of typhoid, paratyphoid A and paratyphoid-B bacilli, killed by heating for one hour at a temperature of 56° for the typhoid and paratyphoid-A, and of 57° for the paratyphoid-B (*B. typhosus,* 1,800 millions; *B. paratyphosus A* and *B,* 1,200 millions per c.c.).

VACCIN ANTIVARIOLIQUE (new).—Free of anærobic organisms and streptococci, not more than 5,000 other organisms per c.c. (3/10 c.c. of a dilution 1/10,000 inoculated into a rabbit on a patch of the skin 25 sq. cm. gives more than one pustule per sq. cm.

Vitamins

VITAMIN A (new).—Found in various animal oils, notably cod-liver oil (together with vitamin D), 0·6 gr. of carotene β (internat. standard) represents one internat. unit of vitamin. Cod-liver oil, standard adopted by League of Nations containing 600 units vitamin A and 85 units vitamin D per gm., may be used as auxiliary standard.

CAROTENE $C_{40}H_{56}$ = 536·45 (new).—Official product is a mixture of carotene α and carotene β.

VITAMIN $C_6H_8O_6$ = 176·06 (new).—*l*-ascorbic acid. Found in various fresh plants (cabbage, lemon, orange, etc.). Obtained from *Capsicum annuum* or by synthesis. The internat. standard for vitamin C is pure *l*-ascorbic acid and the internat. unit is 0·05 mgm. of this standard.

VITAMIN $C_{28}H_{44}O$ = 396·34 (new).—Found together with vitamin A in various animal oils, notably cod-liver oil. The official crystallised vitamin D is obtained by irradiation of ergosterol (calciferol). Vitamin D is not precipitated by digitonin, whilst ergosterol is precipitated by that reagent.

VITAMINE D, SOLUTÉ HUILEUX OFFICINAL (new) :—

Vitamin D crystallised ...	...	250 gm.
Olive oil	to	1 litre

(*To be continued*)

LEAGUE OF NATIONS HEALTH BULLETIN.—The February issue of the League of Nations Bulletin of the Health Organisation, Vol. VII, No. 1, has recently been published. (Allen & Unwin, 40 Museum Street, London, W.C.1, 2s. 6d.) The Bulletin contains reports from Pasteur Institutes on the results of antirabies treatment, and further details of experiments in malaria treatment and prevention with synthetic drugs.

EPHEDRINE AND PSEUDO-EPHEDRINE.—Two methods of distinguishing between ephedrine and pseudo-ephedrine by means of a solution of osmium tetroxide are reported by Fourment and Roques ("Bulletin des Sciences Pharmacologiques," 1937, p. 372). Details of the tests are as follows:—

REAGENT

Aqueous solution of osmium tetroxide, 1 per cent. ...	3 c.c.
Caustic soda solution	2 drops

Dissolve some of the substance under examination in 1 c.c. of distilled water. Add three drops of reagent. Ephedrine produces an immediate abundant orange precipitate, whereas pseudo-ephedrine gives a yellow precipitate on standing.

Transfer three drops of the orange precipitate mixture above (ephedrine), with a pipette, to a tube containing 5 c.c. of pure hydrochloric acid, and heat to boiling. After clearing, the solution rapidly develops a bright violet colour. Similarly add three drops of the yellow precipitate mixture (pseudo-ephedrine) to 5 c.c of pure hydrochloric acid in a tube. After being heated to boiling, the precipitate is dissolved and the solution is coloured lemon yellow.

Insurance Act Dispensing

ENGLAND AND WALES

Blackburn.—A protest has been made by the Pharmaceutical Committee about illegible writing and figuring on Insurance prescriptions, omissions of strength of medicaments, quantities and directions. It was urged that doctors should be requested to give attention to these important details. Mr. W. H. Lightbown said a chemist must, as a result, often look up a previous prescription and copy full particulars from that. Sometimes the prescription was returned by the Insurance Committee for initialling by the doctor before the chemist could receive payment for it. At a meeting of the Insurance Committee a member moved that a letter be addressed to doctors on the panel drawing attention to the Pharmaceutical Committee's complaint and urging practitioners to write clearly and exercise care in stating fully the requirements so that there would be no omission either in the quantity or strength of a mixture ordered or in the directions to be given. The resolution was unanimously approved.

South-Eastern Division.—The report of the Joint Committee for Pricing Prescriptions, recently issued, gives the number of prescriptions dealt with in 1937 as 8,616,924, of which 18,360 were dispensed by doctors. The value was £316,099. The steady increase in Insurance services in the area is indicated in the following table:—

Year	Average number on panel	Prescriptions	Value	Average total cost per prescription
			£	d.
1917	921,443	2,385,822	62,840	6·3
1922	1,148,447	3,554,662	135,255	9·1
1927	1,340,309	5,446,534	197,964	8·7
1932	1,671,840	6,342,117	219,422	8·3
1936	1,936,581	8,098,123	289,230	8·6
1937 ...	2,034,878	8,598,564	314,738	8·8

The Minister of Health has been furnished by the Committee with special returns, as given below, in respect of wound dressings forming part of medical benefit prescribed during July, August and September, 1937:—

	Prescriptions	Packets	Cost (excluding fees)
			s. d.
Small	33	47	7 10
Medium	31	54	13 6
Large	16	20	6 8
Extra large	1	1	0 6

The number of prescriptions for insulin continues to increase. In 1936 the total was 36,320 (value £8,630); in 1937 the corresponding figures were 38,894 (value £9,552).

Southport.—Prescriptions dispensed, January to December, 1937, totalled 117,058. The cost of prescriptions was £4,413, against £4,033 the previous year, the dispensing fees amounting to £2,187. The average cost per prescription was 9.05d., against 8.95d. in 1936. The average dispensing fee has shown an almost continuous fall since 1921, while the average ingredient cost, though showing advances during the last few years, is still below the average for 1922.

South-West Lancashire and Cheshire.—The report of the Joint (Prescriptions) Committee, recently issued, contains the following statistics relating to Insurance prescriptions:—

Year	Prescriptions	Total Cost	Av. Ing'dt. Prices	Av. Disp. Fees
		£ s. d.	d.	d.
1917 ...	1,609,463	44,012 12 4	3·69	2·79
1922 ...	2,227,761	82,522 2 6	3·97	4·92
1927 ...	3,792,005	138,185 16 5	4·31	4·44
1932 ...	4,086,045	135,150 19 6	3·57	4·36
1936 ...	4,656,104	155,668 14 6	3·69	4·34
1937 ...	4,916,888	167,528 10 4	3·84	4·33

The average dispensing fee is again one-hundredth part of a penny below the previous year's figure. All other figures show increases over the corresponding figures for 1936. "The trade papers," states the report, "indicate an advance in prices during the year as compared with 1936 . . . but increased frequency in the issue of prescriptions would appear to account for the greater portion of the total cost. Both the average cost per person, 44.35d., and the average frequency, 5.42, are 'peak' figures. The frequency for the country in 1935 was 4.60 against 5.18 for the Bureau area, and 4.72 against 5.25 in 1936." The number of scripts referred back was 6,110, representing 0.12 per cent. of the aggregate prescriptions for the year, comparing with 7,814 and 0.17 per cent. respectively for 1936. Items the cost of which was not regarded as a proper charge on the Drug Fund numbered 427, compared with 337 in 1936. The principal were:—

Adhesive felt, chiropodists' felt, etc.	22
*Coffee, coffee extract, etc.	67
Elastic stockings, knee caps, anklets, etc.	25
Eye shades	72
Finger stalls	27
Food preparations	28
Hypodermic syringes and needles (not for insulin patients)	16
Litmus paper and other indicators	10
Rubber syringes (ear, nose, etc.)	11
Test tubes	15
Thermogene, thermal wool, capsicum wool, etc. ..	58
Throat sprays, atomizers, etc.	16
Miscellaneous	60

* Not to be scheduled in future.

Pricing offices were asked to give information as to the use made of the National Formulary in prescribing by doctors. A small sample (about 2,000 prescriptions), taken for the purpose, showed that nearly 56 per cent. of the prescriptions were Formulary preparations. Subsequently a larger sample, numbering 23,274 prescriptions, approximating 2,000 for each area, was examined, from which it appeared that 12,902, or 55 per cent., were Formulary preparations.

Staffordshire.—During the year ended December 31, 1937 the number of prescriptions dispensed in the committee's area totalled 1,143,072, against 1,095,656 in 1936; 32,679 insured persons obtained medicine from doctors. The cost per insured person was 33.6d., against 33.1d. Payments to chemists totalled £136,856.

SCOTLAND

Argyllshire.—Under the terms of the Panel and Pharmaceutical Committee's Regulations (Scotland), 1937, the Pharmaceutical Committee determined that the election of a new Committee, to take office on June 1, should be by postal vote. Only two out of seven members constituting the Committee were elected at the first ballot. With the sanction of the Department of Health a second opportunity was given to nominate candidates. Three others were nominated and duly elected. Thus there remain two vacancies. The members already elected, Messrs. James Marshall and A. C. MacKinnon, Dunoon; W. P. Morrison, A. A. Rovie and G. R. Thomson, Campbeltown, are to appoint two persons to fill the vacancies.

Stirling.—The report of the Joint Services Subcommittee on the dispensing by a chemist of the "equivalent" of a drug (see *C. & D.*, April 2, p. 391) has now been given. The subcommittee state that they kept in view that the drug prescribed was a comparatively new drug with which, or with its equivalent, the chemist apparently was not acquainted, although it was not so new but that the chemist should have heard of it. No fault could be found with the doctor's prescription other than that it might have borne the words "chemical equivalent" instead of "equivalent" alone, and they recommended that no further action be taken against the doctor. They found that the chemist was in error and had failed to comply with the terms of service. In view of the chemist's age (27) and his limited experience and service under the Committee, the subcommittee recommended that he should be censured. The following have been elected to serve on the Pharmaceutical subcommittee for the next three years:—Messrs. William C. Yule, J. Skinner, Miss W. Baxter, Messrs. D. MacGregor and W. Carnegie. Mr. Yule was elected *Chairman* and Mr. Carnegie *Secretary*.

Display without Goods

A WINDOW SHOW OF PHOTOGRAPHIC FILMS

WHERE it is possible to include in a window show examples of the goods offered for sale, no display man would consider leaving them out ; but this course is sometimes impossible. An example is photographic films, which for obvious reasons cannot be displayed. Fortunately, the makers are ready to supply dummy cartons in display quantities and also issue excellent display material, including pelmets (an attractive Kodak pelmet was received but could not be included in the present display); posters (an Agfa poster has been used as a background piece) ; showcards and cut-outs (examples by Agfa, Ensign and Kodak are shown). Some of the cards incorporate dummy cartons that can be opened out.

The varieties of film cartons included in the display are Agfa Isochrom and Isopan, Ensign Ultrachrome and fine-grain panchromatic, and Kodak ordinary, Verichrome, Panatomic and Kodachrome colour films.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary and Year-Book," 1938, p. 302.

(From "The Trade Marks Journal," May 4, 1938.)

"ORGANOLOIDS" with armorial bearings and initials A. M. H. (initials disclaimed); for all goods (3). By A. M. Hogarth, 143 Golders Green Road, London, N.W.11. 582,569.

"VITAMIC"; for medicinal chemicals (3). By Tokalon, Ltd., Chase Road, London, N.W.10. 583,681. (Associated.)

"PARCENE"; for medicated ointments and salves (3). By Partons (1937), Ltd., 2 Moriah Road, Treboeth, Swansea. 583,907.

"KATOBESOL"; for medicated bread (3). By P. H. Broussard, Flat 2, 29 Langham Street, London, W.1. 583,984. (Associated.)

"GLYCURRANT"; for cough medicines containing blackcurrant juice (3). By Allen & Hanburys, Ltd., 37 Lombard Street, London, E.C.3. 584,614.

"PHYSEPTON"; for medicinal chemicals (3). By The Wellcome Foundation, Ltd., 67 Holborn Viaduct, London, E.C.1. 584,670.

"CHEBAK"; for medicinal chemicals (3). By J. Poulson, 329 County Chambers, Corporation Street, Birmingham, 2. 584,837.

"DEONA"; for photographs and photographic printing papers (39). By Donnelly Park Grenville, 97 Albert Street, London, N.W.1. 583,360.

"POMAY R 7" (R and 7 disclaimed); for toilet creams for improving the figure (48). By Cutasy Laboratories, Incorporated, 610 Fifth Avenue, New York, U.S.A. 581,513.

"EVANOL" with design of girl's head; for shampoo dye (48). By A. A. Goldapple & W. Evans, 106 Highbury Park, London, N.5. 583,319.

"DE RIAZ, PARIS," below coat-of-arms (words De Riaz disclaimed); for perfumery (48). By De Riaz, 27 Avenue de St. Germain, à Bois-Colombes (Seine), France. 576,662.

"EBE"; for toilet articles, excluding shampoo powders (48). By Ebe Products, Ltd., 11 Diana Place, Euston Road, London, N.W.1. B579,251.

"GLORALOX"; for perfumery (48). By W. Hoyle and J. Entwistle, 1 Emblem Street, Bolton. 584,105.

(From "The Trade Marks Journal," May 11, 1938)

"RESOPEL"; for photographic chemicals (1). By British Dyestuffs Corporation, Ltd., Imperial Chemical House, London, S.W.1. 584,642. (Associated.)

"METEOR"; for medicated foods containing potassium iodide, for animals (2). By A. Finlay, Ltd., Victoria Square, Belfast, Northern Ireland. 584,259.

"SYNDAGAN"; for veterinary, sanitary and medicinal chemicals, etc. (2) (3). By May & Baker, Ltd., 42 St. Paul's Churchyard, London, E.C.4. 584,550/551. (Associated.)

"DUBROSCO"; for disinfectants (2). By Dussek Bros. & Co., Ltd., Jolly Farmer's Wharf, Crayford, Kent. 584,657. (Associated.)

"KALCASAR"; for powder insecticides containing arsenic (2). By Bugges Insecticides, Ltd., London Road, Sittingbourne, Kent. 584,728.

"CLARILAX"; for laxatives prepared from yeast (3). By D. R. Jones, 154 Princes Road, Liverpool. 582,749. (Associated.)

"HEROBENE"; for medicated preparations for the scalp (3). By R. D. Coope, 12 Hillcote Avenue, London, S.W.16. 582,750.

"PERHEXOGEN"; for germicides (3). By The Ayer Co., 176 Middle Street, Lowell, Massachusetts, U.S.A. 580,628.

"DUKEFINGARD"; for medicines for ailments of respiratory organs (3). By Michel Rigaud, 34 Rue Parmentier, Neuilly-sur-Seine, France. 582,774.

"WESTMACOTT & SON" signature; for medicated preparations (3). By Westmacott & Son, Ltd., 17 Market Street, Manchester 1, and 77 Cannel Street, Ancoats, Manchester 4. 583,234.

Chinese characters meaning "FLOWER PAGODA CAKES"; for medicated preparations for worms (3). By A. S. Watson & Co., Ltd., Alexandra Buildings, Des Voeux Road, Hongkong. 582,938.

"RASTMOL"; for medicinal chemicals, excluding soap (3). By Galenus, Ltd., 289 Regent Street, London, W.1. 584,089.

"EAGLE"; for elastic sanitary belts (11). By W. J. Adams & Co., Ltd., 60 Fountain Street, Manchester. 580,633. (Associated.)

"REEPHAEL"; for sanitary towels (11). By The Chain Bar Mill Co., Ltd., 56 Newton Street, Manchester, 1. 584,956.

"FLEXOPADS"; for adhesive pads of sponge india-rubber, non-medicated, for the treatment of varicose ulcers, diseases and malformations of the foot. By Edward Taylor, Ltd., Monton Fields Road, Eccles, Lancs. 584,274. (Associated.)

"KEYNOTE"; for perfumery (48). By Littlewood's Mail Order Stores, Ltd., 100 Oldhall Street, Liverpool. 579,302. (Associated.)

Switzerland's Pharmaceutical Exports

THE shipments to all destinations of Swiss medicinal and pharmaceutical preparations during 1937 amounted to 825,823 kilog., valued at 25,029,600 francs, compared with 692,365 kilog., valued at 17,234,373 francs, during 1936. The totals, in weight and values, for the two years shipped to the various destinations were as follows:—

Destination	1936		1937	
	Kilograms	Swiss francs	Kilograms	Swiss francs
Italy	40,044	1,869,514	50,897	2,620,703
Great Britain	54,274	1,684,777	57,542	2,164,253
Holland	27,151	811,944	46,320	1,621,616
Argentina	16,097	533,908	28,692	1,296,315
Czechoslovakia	28,967	797,102	32,041	1,020,829
Brazil	29,473	636,729	31,099	1,013,867
Austria	26,776	676,038	32,830	966,161
Jugo-Slavia	19,414	589,152	21,927	893,608
Cuba	22,805	514,490	30,277	867,149
Germany	22,249	592,354	27,813	856,999
Mexico	15,813	499,955	20,935	808,998
Egypt	22,627	419,967	34,489	697,960
Rumania	11,217	357,166	29,093	603,162
British India	46,171	425,894	44,737	687,823
Belgium	25,551	470,246	22,502	613,867
Sweden	17,428	502,851	18,692	591,846
China	21,922	405,866	26,728	574,932
Poland	17,345	416,109	19,501	530,134
United States	5,731	219,942	10,439	483,666
Spain	31,188	931,371	17,039	443,642
Denmark	5,912	170,391	9,350	328,535
Japan	34,792	686,269	10,779	278,884
Norway	9,271	152,980	8,579	184,995
Australia	5,242	145,838	3,555	163,621
Peru	5,483	55,869	8,263	132,243
France	15,729	129,283	10,449	104,469
All other countries	112,693	2,758,368	171,255	4,389,325

Ceylon Produce Exports

THE following details of exports of produce for the years 1935 to 1937 are published in a recent issue of The Ceylon Trade Journal, Colombo:—

Description	Unit	1937	1936	1935
		(Thousands)		
Areca Nuts	cwt.	68·3	107	93·4
	Rs	844	1,203	891
Cacao	lb.	8,738	6,599	7,780
	Rs.	2,623	2,031	1,299
Cardamoms	cwt.	2·9	2·3	2·4
	Rs.	686	426	275
Cinnamon (chips and quills)	cwt.	52·3	46·7	46·4
	Rs.	2,056	1,586	1,490
Cinnamon Oil	oz.	2,904	3,185	2,491
	Rs.	457	444	233
Citronella Oil	lb.	1,522	1,271	1,400
	Rs.	1,329	513	686
Coconut, Desiccated	cwt.	589	602	664
	Rs.	6,870	7,042	7,308
Coconut Oil	cwt.	1,337	689	1,109
	Rs.	20,061	9,949	13,647
Copra	cwt.	1,417	1,035	975
	Rs.	12,511	10,077	7,818
Kapok	cwt.	7·9	8·2	6·5
	Rs.	257	240	177
Papain	lb.	197	228	155
	Rs.	421	447	639
Plumbago	cwt.	348	270	278
	Rs.	2,301	1,517	2,065
Rubber	lb.	156,099	111,823	120,479
	Rs.	77,010	46,840	38,394

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, May 26

BUSINESS in most markets continues on a modest scale, with buyers taking limited quantities for their immediate requirements. Speculative markets are still under a cloud and show no sign of impending recovery. The sharp advance in metal notified this week may have to be reflected in makers' prices for MERCURIALS (editorial comment on p. 621). There is no further change in prices for STRYCHNINE SALTS. Quotations for EPHEDRINE HYDROCHLORIDE, B.P., continue easy on a dull market.

Crude Drugs

A modest home trade consuming demand continues in these products and re-export business to certain Continental countries is fairly good. Speculative items remain dull and quoted at depressed values. Arrivals of new crop AGAR are mostly of indifferent quality. The spot demand for Curaçao ALOES continues, with holders of limited stocks firm; no shipment offers of new crop. A small trade passing in BUCHU. The monopoly brand of Japanese CAMPHOR is quoted cheaper, while the shipment prices for refined material are dearer. Very little actual business so far in new crop CASCARA SAGRADA for shipment (editorial comment on p. 621). Bergen reports a better demand in the shipment market for Norwegian COD-LIVER OIL. COLOCYNTH PULP is available here at cheap prices. More business in Spanish-Portuguese ERGOT; shipment firmer. Sudan GUM ACACIA remains dull and at low figures. Egyptian HENNA is in short supply and firm at good prices on spot. New crop Jamaican HONEY continues to sell well as it arrives here. Shipment prices for Matto Grosso IPECACUANHA are very steady. Japanese MENTHOL has sold quietly on spot; the shipment market is fully maintained, with shippers rejecting bids. A sharp advance in Spanish-Italian MERCURY is notified. Quiet business in rough round RHUBARB on spot. Rubber shows a further loss on the week but is steadier at the decline. Valencia SAFFRON is again dearer on a short supply on spot; shipment offers are very few and at high figures. SENNA has had a quiet week; arrivals of new crop Alexandrian hand-picked pods are below average. TURMERIC continues firm.

Essential Oils

Only a very moderate business can be reported, and competition continues to be a feature of these markets. ANISE (STAR) is fairly steady but in quiet demand on spot. BERGAMOT shows no change. With supplies on spot scarce and practically no shipment offers Japanese and Chinese WHITE CAMPHOR oils continue firm. CASSIA is seldom inquired for. CITRONELLA oils have been dull. Madagascar CLOVE is slightly cheaper. Bourbon GERANIUM is irregular on spot, as to quality and cheap forward. GRAPE-FRUIT is reported to have sold well on spot. Sicilian hand-pressed LEMON is quoted dearer from the source, with the market stated to be firm. LEMONGRASS has been neglected. OLIVE is slightly cheaper. French Guinea ORANGE remains in very quiet demand on spot for the time of the year. Tunis and Morocco ROSEMARY are available here. PALMAROSA is dearer on spot, and the isolated shipment offers have also advanced sharply. Japanese PEPPERMINT has been rather quiet on spot; the shipment market continues fully steady. Shipment and spot prices for WORMSEED are dearer on the week.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	May 19	May 26
Amsterdam	Fls. to £	12·107	8·98	8·97
Berlin	Mks. to £	20·43	12·36	12·32
Brussels	Belgas to £	nominal	29·54	29·37
Copenhagen	Kr. to £	18·159	22·40	22·40
Lisbon...	Esc. to £	110	110⅛	110⅛
Madrid	Ptas. to £	25·24½	nominal	nominal
Milan	Lire to £	92·46	94¾	94
Montreal	Dols. to £	4·86¾	5·01	4·99½
New York	Dols. to £	nominal	4·96	4·94
Oslo	Kr. to £	18·159	19·90	19·90
Paris	Fr. to £	124·21	177⅝	178½
Prague	Kr. to £	164·25	142¾	142¼
Stockholm	Kr. to £	18·150	19·40	19·40
Warsaw	Zloty to £	43·38	26⅝	26½
Zurich	Fr. to £	25·2115	21·76	21·70

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

CONDITIONS in this market continue generally quiet. Quotations show no change of first importance, but competition in some instances is keen.

ACETANILIDE.—Spot business on a small scale: B.P. crystals and powder, 1s. 7d. to 1s. 10½d. per lb., as to quantity.

AMIDOPYRINE.—Convention prices are being discounted: crystals, two cwt., 9s. 4d.; one cwt., 9s. 8d.; less than one cwt., 10s. per lb., with powder 2½d. per lb. extra.

AMMONIUM ICHTHIOSULPHONATE.—One cwt., 1s. 6½d., in 14-lb. tins; 1s. 8d. in 1-lb. tins; 1s. 10d. in 8-oz. tins, and 2s. 1d. per lb. in 4-oz. tins.

ASPIRIN.—Makers' and dealers' prices are steady: home trade, ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 3s.; 14 lb., 3s. 1½d.; 7 lb., 3s. 2¾d.; 4 lb., 3s. 4½d.; 1 lb., 3s. 7d. per lb. Bulk packing free, net, carriage paid. Contracts, over twelve months, minimum one ton; over six months, less than one ton.

BORAX (B.P.).—Makers' prices steady: granulated, £24; crystals, £25; powdered, £25 10s.; extra fine powder, £26 per ton, in one-cwt. bags, carriage paid buyers' works for minimum 1-ton lots. Extra for smaller quantities. Commercial quality, £8 per ton less for all descriptions.

BORIC ACID (B.P.).—Makers' prices continue steady: granulated, £36 10s.; crystals, £37 10s.; powder, £38 10s.; extra fine powder, £40 10s. per ton, in 1-cwt. bags, carriage paid to buyers' works on 1-ton minimum. Commercial quality, £8 per ton cheaper for all descriptions.

BROMIDES.—Makers' scales of prices steady. POTASSIUM, B.P., five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s. per lb. SODIUM, B.P., five cwt., 1s. 10d.; one cwt., 1s. 11d.; 28 lb., 2s. 2d. per lb. AMMONIUM, B.P., five cwt., 1s. 11d.; one cwt., 2s.; 28 lb., 2s. 3d. per lb. net. Resale clause applies. 28-lb. parcels and one-cwt. cases free. Smaller quantities than 28 lb. at higher prices. Export quotations are maintained as follows: POTASSIUM, B.P., five cwt., 1s. 4d.; one cwt., 1s. 4½d. SODIUM, B.P., five cwt., 1s. 5d.; one cwt., 1s. 5½d. AMMONIUM, B.P., five cwt., 1s. 6½d.; one cwt., 1s. 7d. per lb., f.o.b.

BUTYL CHLORAL HYDRATE.—Steady on a slow market: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CAFFEINE.—The scales for Continental material, duty paid, in 5-lb. tins, are as follows:—Pure alkaloid, two cwt., 8s. 10d.; one cwt., 9s. 0¼d.; 56 lb., 9s. 2¼d.; less than 56 lb., 9s. 4¼d. per lb. Citrate, two cwt., 5s. 11¾d.; one cwt., 6s. 0¾d.; 56 lb., 6s. 1¾d.; less than 56 lb., 6s. 2¾d. per lb. Soda sal., two cwt., 6s. 2¾d.; one cwt., 6s. 3d.; 56 lb., 6s. 4¾d.; less than 56 lb., 6s. 5¾d. per lb. English makers' prices as follows: Pure alkaloid, two cwt., 9s.; one cwt., 9s. 2d.; 56 lb., 9s. 4d.; less than 56 lb., 9s. 6d. per lb. Citrate, two cwt., 5s. 11d.; one cwt., 6s.; 56 lb., 6s. 1d.; less than 56 lb., 6s. 2d.

CALCIUM LACTATE.—Market steady, average business: one cwt., 1s. 0¾d.; 56 lb., 1s. 1½d.; 28 lb., 1s. 2d.; smaller quantities, up to 1s. 6d. per lb.

CHLORAL HYDRATE—Home makers' scale of prices steady: duty paid crystals in 14-lb. free containers, five cwt., 3s. 2d.; one cwt., 3s. 3d.; 28 lb., 3s. 4d. per lb., 28-lb. jars one penny per lb. extra.

CHLOROFORM.—Makers' prices steady: two cwt., 2s. 5½d. per lb.; one cwt., 2s. 6d.; 56 lb., 2s. 6½d.; less, 2s. 7½d. per lb., in w-quarts of 8 lb. Packed in drums ½d. per lb. less. Small bottles extra, from 5d. per lb. for ¼-lb. bottles to 1d. per lb. for 2-lb. bottles. Carriage paid on minimum cwt. lots.

CITRIC ACID (B.P. CRYSTALS).—Quoted unchanged: British material quoted at 1s. 0¼d. per lb, less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

COCAINE.—British makers' prices for wholesale bulk quantities are quoted as follows:—HYDROCHLORIDE and NITRATE, 25 oz. and over, 29s. 6d.; 16 oz. and less than 25 oz., 30s. 9d.; over 8 oz. and less than 16 oz., 31s. 9d. per oz. PURE, CITRATE and SALICYLATE, 25 oz. and over, 32s. 6d.; 16 oz. and less than 25 oz., 33s. 6d.; over 8 oz. and less than 16 oz., 34s. 6d. per oz.; 16-oz. packages free, smaller packing extra. The scales of prices applicable to distributors of smaller quantities are as follows:—HYDROCHLORIDE and NITRATE, 8 oz., 34s. 1d.; 4 oz. and less than 8 oz., 34s. 7d.; 2 oz. and less than 4 oz., 35s. 5d.; 1 oz. and less than 2 oz., 36s. 5d.; ½ oz. and less than 1 oz., 37s. 11d.; ¼ oz. and less than ½ oz., 40s. 11d. per oz. PURE, CITRATE and SALICYLATE, 8 oz., 36s. 10d.; 4 oz. and less than 8 oz., 37s. 4d.; 2 oz. and less than 4 oz., 38s. 2d.; 1 oz. and less than 2 oz., 39s. 2d.; ½ oz. and less than 1 oz., 40s. 8d.; ¼ oz. and less than ½ oz., 43s. 8d. per oz., packages extra. Resale: Sales subject to buyers undertaking

not to resell any quantity at below the scale price for such quantity current at the time of resale. Export prices vary according to destination.

CREAM OF TARTAR.—Continues steady. British material, 99 to 100 per cent., 92s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.

CREOSOTE (B.P.).—Not much business moving: bulk quantities, in 25-kilo demijohns, 1s. 6d.; small parcels, 1s. 7½d. to 2s. per lb., ex store, as to quantity.

EPHEDRINE.—The demand remains quiet with makers' prices for Hydrochloride, B.P., ranging from about 7s. 9d. to 9s. 6d. per oz., as to quantity. Pure alkaloid is quoted from 11s. to 12s. 6d. per oz.

GALLIC ACID.—Market is steady. One cwt., 3s.; 56 lb., 3s. 1d.; smaller parcels, up to 3s. 6d. per lb.

LACTIC ACID (B.P.).—Business moderate, values steady: quantities in carboys, 1s. 4½d. to 1s. 5d.; in winchesters and bottles, 1s. 6d. to 1s. 10½d. per lb., as to quantity.

MERCURIALS.—Makers' prices continue unchanged.

	Less than 28 lb.	Not less than 28 lb.	Not less than 112 lb.
	s. d.	s. d.	s. d.
Ammoniated Lump B.P. (White Precip.) ...	5 10	5 6	5 5
,, Powder B.P.	6 0	5 8	5 7
Bichloride Lump B.P. (Corros. Sub.)	5 1	4 9	4 8
,, Powder B.P.	4 9	4 5	4 4
Chloride B.P. Calomel	5 10	5 6	5 5
Red Oxide Cryst. B.P.C. (Red Precip.) ...	6 11	6 7	6 6
,, Levig. B.P.C.	6 5	6 1	6 0
Yellow Oxide B.P.	6 3	5 11	5 10
Persulphate White	6 0	5 8	5 7
Sulphide Black (Hyd. Sulph. cum. Sulph. 50%)	5 11	5 7	5 6

Net.—Without engagement. Special prices for larger quantities and for contracts. Assorted salts at bulk quantity prices.

METHYL SALICYLATE.—Makers' quotations are unchanged: spot, ten cwt., 1s. 1¾d.; five cwt., 1s. 2d.; one cwt., 1s. 2¼d.; less than one cwt., 1s. 3d.; small quantities, in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Irregular on a dull market: two cwt., 19s. 3¾d.; one cwt., 19s. 9¼d.; 56 lb., 20s. 2¾d.; small parcels, up to 20s. 8d. per lb.

PARAFORMALDEHYDE.—Not much business moving: 100 per cent. powder, quantities in kegs, 1s.; smaller parcels, up to 1s. 4½d. per lb., as to quantity.

PARALDEHYDE.—Quotations are about unchanged: in carboys, 1s. 2d.; in winchesters, 1s. 5d. to 1s. 6d.; in bottles, 1s. 7½d. to 1s. 10½d. per lb., ex store.

PHENACETIN.—Makers' prices are steady: crystals or powder, bulk quantities, 2s. 6d.; smaller parcels, 2s. 7d. to 3s. per lb., as to quantity.

PHENAZONE.—Very competitive with little doing: crystals, five cwt., 6s. 9½d.; two cwt., 7s.; one cwt., 7s. 3d.; and less, 7s. 6d. per lb., with powder 2½d. per lb. extra.

PHENOLPHTHALEIN.—The scale of prices is unchanged: two cwt., 2s. 9d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

PHOTOGRAPHIC CHEMICALS.—Home makers' prices are as follows: AMIDOL.—28 lb., 8s.; 14 lb., 8s. 9d.; 7 lb., 9s. 6d.; in free 7-lb. tins; under 7 lb., 12s. per lb., in free 1-lb. bottles. CHLORQUINOL.—1-lb. bottles, 21s. per lb. GLYCIN.—7 lb., 10s. 6d.; 1-lb. bottles, 13s. 6d. per lb. HYDROQUINONE.—56 lb., 4s. 10½d.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; in 1-lb. bottles, 6s. 6d. per lb. METOL.—28 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 6d., tins free; 3 lb., 12s., bottles free; 1-lb. bottles, 12s. 6d. per lb., bottles free. ALUM (PHOTOGRAPHIC QUALITY).—1 cwt., 21s. per cwt.; 28 lb. for 6s. GOLD CHLORIDE.—15-grain tubes, 45s. per doz. MAGNESIUM POWDER.—10s. per lb. PARAMIDOPHENOL HYDROCHLOR.—8s. 6d. per lb., bottles free. POTASSIUM FERRICYANIDE.—14 lb., 2s. 2d.; 7 lb., 2s. 4d.; 1 lb., 2s. 6d. per lb. POTASSIUM METABISULPHITE.—One cwt., 8d.; 28 lb., 9d.; 14 lb., 10d.; 7 lb., 1s. per lb. PYROGALLIC ACID, CRYST.—28 lb., 7s. 3d.; 14 lb., 8s.; 7 lb., 8s. 9d.; under 7 lb., 9s. 3d. per lb. SODIUM (CARBONATE RECRYST.).—5 cwt., 12s. 6d. per cwt.; 1 cwt., 15s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. SODIUM HYPOSULPHITE, CUBES, CRYST.—5 cwt., 17s.; 1 cwt., 19s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. SODIUM SULPHIDE (PURE).—7 lb., 1s. 9d.; 1 lb., 2s. per lb., bottles and jars free. SODIUM SULPHITE, RECRYST.—One cwt., 21s. 6d. per cwt.; 56 lb. for 13s. 6d.; 28 lb. for 7s.

QUININE SALTS.—Convention prices continue unchanged: sulphate, 2s. 2d.; bisulphate, 2s. 2d.; ethyl carbonate, 2s. 9¾d.; salicylate, 2s. 10½d.; hydrochloride, 2s. 8½d.; dihydrochloride, 3s.; hydrobromide, 2s. 8½d.; dihydrobromide, 3s.; valerianate, 3s. 8d.; hydrophosphite, 4s.; alkaloid, 3s. 0½d. per oz., carriage paid on bulk quantities; 100-doz. tins free, smaller, packages extra.

SALICYLIC ACID (B.P.).—Makers' prices steady: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 10d.; 14 lb., 1s. 11½d.; 7 lb., 2s. 0¾d.; 4 lb., 2s. 2½d. per lb.

SALOL.—Irregular on quotation; market dull: 2s. 3d. to 2s. 6d. per lb., as to quantity.

SANTONIN.—The quotation continues nominal at £15 per kilo., with spot sellers from about £10 15s. for bulk quantities and up to £12 10s. for small parcels.

SODIUM BENZOATE (B.P.).—Steady, with average business: one cwt., 1s. 5d.; smaller parcels, 1s. 6d. to 1s. 10½d. per lb., as to quantity.

SODIUM DIETHYLBARBITURATE.—Controlled prices are unchanged: spot, one cwt., 11s.; 28 lb., 11s. 3d.; 14 lb., 11s. 6d.; 7 lb., 11s. 9d.; smaller parcels up to 12s. 3d. per lb.

SODIUM SALICYLATE (B.P.).—Makers' quoted prices are steady: home trade, crystals or powder, five cwt., 1s. 5½d.; one cwt., 1s. 6d.; 28 lb., 1s. 9d.; 14 lb., 1s. 10½d.; 7 lb., 1s. 11¾d.; 1 lb., 2s. 4d. per lb.

TARTARIC ACID (B.P. CRYSTALS).—Quoted unchanged: British makers quote at 1s. 1¼d. per lb., less 5 per cent. discount; dealers offering foreign materials at competitive prices.

THEOBROMINE.—Prices for Continental, pure, two cwt., 7s. 10d.; one cwt., 8s.; 56 lb., 8s. 2d.; smaller quantities, 8s. 4d. per lb.; sodium salicylate, two cwt., 6s. 3¼d.; one cwt., 6s. 4½d.; 56 lb., 6s. 5¼d.; smaller quantities, 6s. 6¼d. per lb., delivered, 5-lb. tins free; smaller packages extra.

THYMOL.—Synthetic, fine white, one cwt., 6s.; 56 lb., 6s. 4d.; 28 lb., 6s. 9d.; less than 28 lb., 7s. 6d. per lb., tins extra; ex ajowan seed, one cwt., 8s. 5d.; 56 lb., 8s. 10½d.; 28 lb., 9s. 5d.; 14 lb., 10s. 6d. per lb.

VANILLIN.—The home market continues very steady: ex clove oil or guaiacol, five cwt., 12s. 5d.; one cwt., 12s. 8d.; 56 lb., 13s.; less than 56 lb., 13s. 2d. per lb.

Crude Drugs, etc.

AGAR.—Rather slow on spot except for a steady Continental export demand. A good deal of the arrivals of new crop is of rather indifferent quality: spot, Kobe, No. 1, 3s.; No. 2, 2s. 10½d. Yokohama, No. 1, 2s. 10½d. per lb.; shipment, Kobe, No. 1, June-July, 2s. 6d.; July-August, 2s. 6¾d.; No. 2, June-July, 2s. 4½d.; Yokohama, No. 1, 2s. 4d. per lb., c.i.f.

ALKANET ROOT.—Dealers are quoting small spot parcels in the region of 45s. per cwt., ex store.

ALOES.—Steady business in Curaçao on spot, and stocks are running very low. No shipment offers of new crop. Cape steady and unchanged: Cape, spot, 63s. to 64s.; shipment, about 62s. 6d. per cwt., c.i.f. Curaçao, spot, now quoted from 138s. to 150s. per cwt., as to quality.

ANNATTO SEED.—Spot prices for Madras are steady at 3½d. per lb.; shipment, 25s. per cwt., c.i.f.

ANTIMONY.—Chinese crude is quoted cheaper: Chinese, crude, spot, £39; shipment, June-July, £32 10s., c.i.f. English regulus, £75 to £78 per ton, ex store.

ARECA NUTS.—Some spot supplies are available at about 25s. per cwt., ex store.

ARNICA FLOWERS.—Dealers' spot quotations for small parcels of flowers are steady at 1s. 3d. per lb., ex store.

BALSAMS.—New crop Canada continues to be quoted at about 4s. 6d., c.i.f.; inquiry remains slow: spot, *Tolu*, 1s. 8d.; *Canada*, nominal; *Copaiba*, Para, 1s. 9d.; *Peru*, 4s. 6d. per lb., spot.

BELLADONNA.—Spot quotations steady: leaves, 55s.; root, high testing, 60s. per cwt., spot.

BUCHU.—Business has not amounted to much this week, quotations are steady. New crop, fair to good green rounds, 1s. 8d. to 1s. 9d., with some rather stalky at slightly less. A few bales of old leaves are available at 1s. 5d. to 1s. 6d., as to quality. Shipment price is maintained at 1s. 5d., c.i.f., with no interest shown.

CAMPHOR.—There has been a better spot demand. Prices for the monopoly brand have been reduced 10s. per 100 lb., while the shipment prices for refined material have been advanced. Japanese monopoly BB brand has sold this week down to £7 10s. per 100 lb., but this price is not officially quoted: Japanese, natural, spot, tablets, 2s. 6½d.; powder, 2s. 3½d.; slabs, 2s. 3¼d. per lb., ex store; shipment, tablets, 2s. 2¼d.; powder, 2s.; slabs, 1s. 11¾d. per lb., c.i.f.; English refined flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 2d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ⅓ oz. and ¼ oz., 3s. 6d. per lb.

CANTHARIDES.—Not much business moving: Chinese spot, 2s. to 2s. 1d. per lb., as to quantity; shipment, 1s. 7d. per lb., c.i.f. Russian, about 4s. 6d. per lb., spot.

CARDAMOMS.—Very flat and unchanged. Aleppy greens are quoted slightly cheaper: Aleppy, green, spot, about 3s. 5d.; shipment, 2s. 2d. for f.a.q. the season and 2s. 4d. for f.a.q. Bombay seed, spot, 4s. 3d.; shipment, 3s. 4d., c.i.f. Mangalore seed, spot, 3s. 9d.; shipment, 3s. per lb., c.i.f.

CASCARA SAGRADA.—Limited business in spot goods. Some interest in shipment offers of new crop bark, with quotations now down to about 37s. per cwt., c.i.f., in minimum carload lots; but buyers do not appear to think the market is yet favourable: spot, 1937 peel, 54s. to 54s. 6d.; old peel, 57s. 6d. to 70s. per cwt., ex store.

CELERY SEEDS.—Dealers are offering spot supplies at about 80s. per cwt., ex store.

CHAMOMILES.—Demand quiet, market very steady, with last season's good white flowers at about 165s., with seconds at 135s. and old flowers from 95s. to 110s. per cwt., ex store.

CLOVES.—Values are maintained on a quiet market: Zanzibar, spot, 8¼d.; shipment, May-June, 8d. per lb., c.i.f. Madagascar, in bond, 7d.; shipment, May-June, 6⅛d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended May 21 were 100, and the deliveries 20, leaving a stock of 1,250. From January 1 to date the landings of Zanzibar have been 1,285 and the deliveries 1,104. Landings of Madagascar for the week ended May 21 were *nil*, and the deliveries 129, leaving a stock of 1,342. From January 1 to date the landings of Madagascar have been 739 and the deliveries 1,473 packages.

COCOA BUTTER.—Values are steadier at the decline: prime English, 8¾d. to 10½d. per lb. Foreign, 7¾d. to 9½d. per lb., as to quantity and quality.

COCONUT (DESICCATED).—Business on the quiet side, market steady: spot, fine, 17s.; medium, 16s. per cwt.; shipment, halves, May, June and July, 15s. 9d. per cwt., c.i.f.

COD-LIVER OIL.—Bergen reports Finmarken fishing continues very poor. Results to May 22: 151,578 tons of cod and 66,307 hectol. of oil, compared with 150,578 tons of cod and 74,107 hectol. of oil on the same date in 1937, and 127,124 tons of cod and 60,668 hectol. of oil in 1936. Shipment market is firm, with the demand showing some improvement: finest Lofoten steam-refined non-freezing medicinal oil, 90s. per barrel, c.i.f. London. Small lots, on spot, about 132s. 6d. per barrel, ex store, duty paid. British finest medicinal oil, 115s. per 25-gallon drum, delivered U.K., with rebates for 25 or more drums.

COLCHICUM.—Spot supplies of root are available at about 46s. to 47s. 6d. per cwt., as to quantity.

COLOCYNTH.—Good supplies of pulp on offer on spot from 1s. to 1s. 3d. per lb., as to quality and quantity.

DAMIANA LEAVES.—The first arrivals of new crop are now to hand and are valued at about 9d. per lb., ex store.

DERRIS ROOT.—Occasional spot inquiry, with root testing 17 per cent. ether extract quoted in the region of 7½d. per lb., ex store.

DIGITALIS LEAVES.—Some parcels of Continental are available on spot at 85s. to 90s. per cwt., as to quality.

ERGOT.—There has been more business moving on spot, and prices for Spanish-Portuguese are firm at 3s. 10d. to 4s. per lb., as to quantity. Bids sent out to the source for shipment of Spanish-Portuguese at 3s. 6d., c.i.f., not accepted, and countered with offers at about 3s. 9d., c.i.f. Moscow advises nothing will be available before October, and the quantity is likely to be small.

GENTIAN.—Good clean French root is quoted at about 39s. and Continental at 37s. to 37s. 6d. per cwt., ex store.

GINGER.—Market is steadier, with values for West African maintained: West African, spot, 27s.; for shipment, May-June, 22s. per cwt., c.i.f. Jamaican, spot, bold, in barrels, 72s. 6d. to 85s.; small grinding, in bags, 55s. to 60s. per cwt., c.i.f. Cochin, new crop, fair washed, unbleached, 43s. 6d. per cwt., spot.

GUM ACACIA.—Market remains flat, quotations unchanged on the week: Kordofan, cleaned sorts, spot, 37s. 6d.; shipment, 35s. 6d. per cwt., c.i.f.

HENBANE.—Business dull: quoted at about 70s. per cwt., ex store, for small spot parcels.

HENNA.—With supplies limited, prices are steady at recent advance: Egyptian brown leaves, 30s.; one parcel of green leaves with the price about 40s. per cwt., c.i.f.

HONEY.—A very fair demand continues for the arrivals of new crop Jamaican; values are keeping steady: Jamaican, dark manufacturing, 30s. to 45s. per pale set. Old crop at slightly cheaper prices. Californian in short supply and dearer at 52s. 6d., duty paid, and Canadian, 52s. 6d. per cwt., ex store.

HYDRASTIS.—Business has been of small account: spot, root testing 2.03 hydrastin, 15s.; U.S.P. quality, 14s. 9d.; untested root, 14s. 6d. per lb., ex store. Shipment offers at 14s. 6d. per lb., c.i.f.

IPECACUANHA.—Values are keeping steady, with the shipment market well maintained: Matto Grosso, B.P., spot, 7s. 6d.; shipment, 6s. 6d. per lb., c.i.f. Further bids of 6s. 3d., c.i.f., have been rejected.

IRISH MOSS.—Spot supplies are quoted at about 45s. to 60s. per cwt. for small parcels of the best qualities.

JALAP.—The spot market is quoted dearer: 13.3 per cent., 1s. 1d.; 10.5 per cent., 10d. per lb., ex store.

JUNIPER BERRIES.—Some good sifted quality is offering on spot at about 25s. per cwt., ex store.

KOLA NUTS.—African halves on spot quoted from 2¼d. to 3d. per lb., as to quality. St. Lucia halves, about 4d. per lb. for good bright quality.

LAVENDER FLOWERS.—Supplies of good blue flowers are available on spot at 1s. 6d. per lb., ex store.

LIQUORICE.—Natural root is offering on spot at about 12s. 6d. per cwt. and decorticated at 35s. per cwt.

LYCOPODIUM.—Business quiet, dealers are quoting spot supplies at about 4s. 9d. per lb.

MANNA.—Spot supplies of selected flake, in 1-lb. tins, are available at 3s. 6d. per lb., ex store.

MENTHOL.—The Japanese product has been in rather quiet demand, but the market is steady, with shippers firmly maintaining their quotations: spot, K/S brands, 12s. 3d. to 12s. 4½d.; in bond, 10s. 10½d. to 11s. Bids of 10s. 3d., c.i.f., for June-July refused and countered with offers at 10s. 7½d., c.i.f. Chinese, spot, 12s. to 12s. 1½d.; shipment, 10s. 7½d. per lb., c.i.f.

MERCURY.—First-hand distributors report an advance in quotations: f.o.b. Continent, 68 dollars per bottle; ex warehouse, London, £13 18s. to £13 18s. 6d. per bottle.

OPIUM.—Continues steady with a moderate spot demand: Turkish, original cases of 170 lb., 13 per cent., 1s. 1d. Iranian, 12 per cent., 1s. 1d. per unit, landed and duty paid.

ORANGE PEEL.—Dealers' prices for small spot parcels are maintained: bitter quarters, 9d.; bitter ribbons, 9d.; thin cut, 11d. to 1s. 1d. per lb., as to quality, ex store.

ORRIS ROOT.—Some spot supplies of Florentine root are available at about 35s. per cwt., ex store.

PEPPER.—Values are about maintained, with business rather quiet: Lampong, in bond, 2 1/16d.; shipment, May-July, 2 7/16d.; August-October, 2 9/16d., c.i.f. Tellicherry, spot, 4d.; shipment, May-June, 33s., c.i.f. Aleppy, spot, 3¾d.; shipment, May-June, 34s., c.i.f. White Muntok, in bond, 3⅞.; shipment, August-October, 3¾d., c.i.f. London Terminal Market, Black, May, 2 11/16d.; July, 2¾d.; October, 2 13/16d. White, May, 3⅞d.; July, 3⅞d.; October, 4d. per lb.

PIMENTO.—Values are slightly easier, market quiet: spot, 7d. per lb.; shipment, June-July, 56s.; August-October, 54s. per cwt., c.i.f.

RHUBARB.—A small spot business, with the market keeping steady: spot, Shensi, best quality, 4s. 9d. to 5s. 3d.; old, very slightly wormy, 3s. 9d. to 4s. 3d.; pickings, about 3s. 9d. per lb.; rough round, 2s. 4d. to 2s. 6d. per lb., as to quality; shipment, ordinary quality, 1s. 8d. per lb., c.i.f.

RUBBER.—After declining, the market has partly recovered the loss and closes steadier, with more business reported: standard ribbed smoked sheet, spot, 5½d.; May, 5½d.; June, 5½d.; July-September, 5 11/16d.; October-December, 5 11/16d. per lb.

SAFFRON.—Genuine Valencia continues very scarce, with holders requiring 87s. 6d. to 90s. per lb., ex store. One shipment offer from the source at 95s. per lb., c.i.f.

SEEDS.—ANISE.—Spot, duty paid, Spanish, 62s. 6d.; Bulgarian, 41s.; Syrian, 40s. CANARY.—Market dull; all prices quoted spot, duty paid: Mazagan, 17s. 9d.; Turkish, 16s. 6d.; Plate, 16s.; Spanish, 25s. to 37s. 6d. CARAWAY.—Dutch, 33s., spot, duty paid; 28s. 9d. quoted f.o.b. Holland. CORIANDER.—Spot: old crop, 18s., duty paid; new crop, for June/July shipment, 12s. 3d., c.i.f. CUMIN.—Spot: Malta, 40s., duty free; Morocco, 35s., duty paid; Morocco, new crop, for July/August shipment, 32s. 6d., c.i.f. FENUGREEK.—Morocco, 12s. 9d., spot, duty paid, and 11s., c.i.f. MUSTARD.—English, 18s. to 27s. 6d., according to quality.

SENEGA.—Rather more doing on spot; shipment market quiet: spot, 2s. 4d.; shipment, 2s. 3d. per lb., c.i.f., for new crop August shipment.

SENNA.—Business has been rather quiet this week: Tinnevelly leaves, spot, fair green colour, No. 1, 5½d.; No. 2, 3½d.; No. 3, 2½d.; No. 4, 2¼d. per lb. Tinnevelly hand-picked pods, best pale quality, 6d.; darker grades, 4d. down to 3½d. per lb. Alexandrian hand-picked pods; arrivals of new crop continue well below average and the market is poorly supplied: spot, good bold selected, 5s.; No. 1, 4s.; No. 2, 3s.; No. 3, 2s. 3d. per lb. Old crop pods available from 1s. to 3s. per lb., as to quality, ex store, London.

SHELLAC.—Quotations are cheaper on the week, business moderate: spot, standard TN orange, 37s. to 40s.; fine orange, 57s. 6d. to 100s.; pure button, 55s. to 60s. per cwt. For delivery, TN, August, 37s.; October, 38s.; for arrival, TN, June-July, 34s. per cwt., c.i.f.

SLIPPERY ELM BARK.—A quiet spot business, values unchanged: grinding quality, 6¾d.; clippings, 8½d.; selected loose slabs, 1s. 2d.; 5-lb. wired bundles of selected quality are firm at 2s. 3d. per lb., ex store.

SQUILL.—The spot price for fair white is about 27s. 6d. per cwt. for small parcels. New crop, June-July, shipment, 24s. per cwt., c.i.f., indicated for No. 1 white.

STRAMONIUM.—Dealers are quoting spot supplies from 35s. to 40s. per cwt., according to the quality of the leaves.

TONKA BEANS.—Demand quiet and steady: fair frosted Para beans, 3s. 4d. to 3s. 5d. per lb., ex store.

TRAGACANTH.—Quoted values are about unchanged with the market remaining dull: finest selected white ribbon, £70; No. 1 white, £60 to £65; No. 2 white, £52 10s. to £56; No. 3 white, £37 10s. to £48; amber leaf, £22 10s.; cleaned amber sorts, £17 10s.; brown to amber leaf, £12 10s.; red leaf, £9 10s. to £10 10s.; hoggy, £7 to £8 per cwt., ex store.

TURMERIC.—General conditions are firm: spot supplies of Madras limited and held for 29s. 6d. per cwt. Shipment offers of new crop are at about 24s. 6d. to 25s. 6d. per cwt., c.i.f. No Rajapore on spot; shipment, 24s. 6d. per cwt., c.i.f.

VALERIAN ROOT.—Remains quiet, with small spot parcels quoted at about 30s. per cwt., ex store.

WAXES.—BEES'.—Market remains dull; quotations again rather easier: Calcutta, bleached, spot, 132s. 6d.; shipment, June-July, 121s. 6d., c.i.f.; ordinary quality, spot, 105s.; shipment, June-July, 95s. per cwt., c.i.f. Benguella, in bond, 95s.; shipment, June-July, 85s., c.i.f. Conakry, spot, 97s. 6d.; shipment, June-July, 84s., c.i.f. Dar-es-Salaam, spot, 105s.; shipment, June-July, 92s., c.i.f. CARNAUBA.—Business quiet, with quoted values level on the week: fatty, grey, spot, 150s.; afloat, 145s.; shipment, June-July, 143s., c.i.f. Chalky, grey, spot, 150s.; afloat, 145s.; shipment, June-July, 142s., c.i.f. Primeira, spot, good quality, 190s.; afloat, 175s.; shipment, June-July, 172s. 6d., c.i.f. Mediana, spot, 180s.; shipment, 170s. per cwt., c.i.f.

Essential and Expressed Oils, etc.

BUSINESS continues on a modest scale, with some few products rather unsteady. Citronellas remain dull. Sicilian lemon is again dearer for shipment. French Guinea orange is still in poor demand. Palmarosa is again dearer. Japanese peppermint is very steady forward. Wormseed is dearer on a firm market.

ALMOND.—Bulk quantities of the expressed oil are quoted at keen prices: English made, cwt. lots, 2s. 8d.; smaller parcels, up to 3s. per lb.; foreign, cwt. lots, 2s. 8d.; smaller parcels, up to 3s. per lb.; French bitter, 6s. to 6s. 1½d. per lb.

ANISE (STAR).—Spot values continue steady, with the supply of oil rather limited. Shipment prices continue cheap, with little interest shown: spot, leads, 4s. 1½d.; tins, 3s. 9d.; drums, 3s. 8d. per lb., ex store; shipment, tins, 3s.; drums, 2s. 10½d., c.i.f.

AVOCADO PEAR.—Californian oil meets with occasional inquiry on spot and is quoted from 47s. to 54s. per gallon, as to quantity, ex store.

BERGAMOT.—The shipment price from the Consortium continues steady at 14s. 9d. per lb., c.i.f., for bulk quantities. Spot values for genuine new crop oil are maintained at 15s. to 15s. 4½d. per lb., as to quantity. Blended oils at cheaper prices.

BOIS DE ROSE.—Business remains quiet on spot: Brazilian oil at about 5s. 6d. in drums, and smaller quantities up to 6s. 3d. per lb.

CAJUPUT.—Market is steady, demand quiet: B.P., 2s. to 2s. 3d. per lb., as to quantity, ex store.

CAMPHOR.—White oils continue in short supply and firm at 107s. to 110s. per cwt. in drums. No shipment offers of Chinese or Japanese at the moment.

CANANGA.—Business is still very poor; shipment rather cheaper: spot, about 5s., with smaller parcels up to 5s. 6d. per lb.; shipment, 4s. 6d. per lb., c.i.f.

CARAWAY.—Quotations unchanged, spot business on a small scale: Dutch rectified, 7s. 3d. to 7s. 6d.; crude, 6s. 9d. to 7s. per lb. landed and duty paid, as to quantity.

CASSIA.—Business remains very quiet: spot, good quality oil, 3s. 4d. in leads; off-quality, 3s. 1d. to 3s. 2d. per lb. Shipment market is lifeless; leads, 2s. 10½d.; drums, about 2s. 9d. per lb., c.i.f.

CEDARWOOD.—Remains dull, with values slightly easier: African, in drums, 11½d.; smaller packages, up to 1s. 3d. per lb. American, in drums, 11½d.; smaller packages, up to 1s. 3d. per lb.

CINNAMON LEAF.—Ceylon oil meets with little inquiry; quoted for shipment at about 2s. 4d., c.i.f., in drums.

CITRONELLA.—Both shipment markets are dull and rather unsteady; the spot market is also quiet: Ceylon, spot, drums, 1s. 5½d. to 1s. 6d.; smaller parcels, up to 1s. 9d.; shipment, drums, 1s. 3d. per lb., c.i.f. Java, spot, drums, 1s. 10d. to 1s. 11d.; smaller parcels, up to 2s. 3d.; shipment, drums, about 1s. 4½d. per lb., c.i.f.

CLOVE.—Quotations for Madagascar oil are slightly cheaper: Madagascar, spot, drums, 3s. to 3s. 1½d.; small parcels up to 3s. 6d. per lb.; shipment, about 2s. 4d., c.i.f. English, distilled, 4s. 7½d. to 4s. 10½d. per lb., as to quantity.

EUCALYPTUS.—The finest brands of Australian oil are steady at former figures; some oils are quoted cheaper for shipment: Australian, 70 to 75 per cent., tins, 1s. 5½d. to 1s. 6d.; drums, 1s. 5d.; with inferior oils at less; 80 to 85 per cent., drums, 1s. 9d. per lb., landed; higher prices for small lots on spot. Shipment, 70 to 75 per cent., tins, 1s. 3¼d.; drums, 1s. 2¾d.; 80 to 85 per cent., 1s. 6¼d. per lb., c.i.f.

GERANIUM.—Shipment markets are dull and at low figures; spot quotations vary as to quality of the oil: Bourbon, spot, 12s. to 12s. 9d.; shipment, about 10s. 9d., c.i.f. Algerian, spot, 13s. to 13s. 9d.; shipment, about 12s. 7½d. per lb., c.i.f.

GRAPE-FRUIT.—A steady spot business continues to be reported: Californian, 10s. 6d. to 12s. Florida, 10s. 6d. to 11s. 3d. per lb., as to quantity.

HO (SHIU).—The spot market remains very quiet: "Improved" quality, 4s. 1d.; "extra" quality, 4s. 4d. per lb., in drums, and higher prices for smaller lots. Shipment, "extra" quality, 4s. per lb., c.i.f.

JUNIPER BERRY.—Limited spot demand: quoted according to quality and quantity from 3s. 3d. to 4s. per lb.

LAVENDER.—Occasional spot inquiry, with quotations varying from 13s. 6d. to 14s. 6d. for 38 to 40 per cent. oil, as to quantity. Lavandin available on spot from 5s. to 6s. per lb., as to quality.

LEMON.—As indicated last week, the shipment market for Sicilian new crop oil is distinctly firmer and the source reports there are few sellers at the moment. Quotations received this week indicate shipment at from 10s. 9d. up to as much as 11s. 7d., c.i.f. Some machine-made oil of good quality is available at the moment at 10s. 1½d., c.i.f., in bulk quantities. Spot quotations vary as to quality from about 10s. to 11s. 6d. per lb., ex store, the cheaper prices being for old and blended oils. Californian distilled, regular quality, 6s. 4d. per lb., landed, in small drums.

LEMONGRASS.—The steadier tone reported last week has not been maintained. Shipment market is dull and is quoted at about 1s. 5d. to 1s. 5½d. per lb., c.i.f. Spot oil is available from 1s. 8d. to 1s. 10d. per lb., ex store.

LIME.—Spot West Indian distilled continues steady: quoted at 25s. to 26s. 6d. per lb., ex store, with a moderate demand reported.

MANDARIN.—Business of little importance: finest quality oil at about 19s. to 20s., c.i.f., with other qualities from 17s. 6d. per lb., c.i.f.

NEROLI.—Reports from Grasse state inclement weather continues to interfere with the gathering of the flowers.

NUTMEG.—Average small spot demand: Dutch and American oils offering from 5s. 6d. to 5s. 9d. per lb., as to quantity, ex store.

OLIVE.—Slightly easier conditions are reported; business moderate: 1 per cent., 5s. 6d.; 2 per cent., 5s. 4½d. per gallon in 45/50-gallon drums. French, edible quality, 5s. 10½d. for cases of 10 one-gallon tins and 76s. for 20 half-gallon tins; 5s. 10½d. per gallon in 50-gallon drums.

ORANGE.—The demand for French Guinea oil continues very slow on spot and holders' quotations are, in isolated cases, very keen for repacked oil: drums, about 3s. 3d.; tins, in cases, 3s. 6d.; in bond, 2s. 10½d. Shipment offers from the source continue at about 2s. 7½d. per lb., c.i.f. Californian, spot, one case, 4s. 6d.; two or more cases, 4s. 3½d.; large drums, not quoted; small drums, 4s. 2d. per lb., landed.

PALMAROSA.—Spot values for the limited quantity of oil available are firm at 8s. 6d. to 8s. 9d., ex store. Shipment market is firm, with the source reporting practically nothing to offer; nominal at 7s. 9d. to 8s. per lb., c.i.f.

PATCHOULI.—Very little business moving; values are easy as quoted: Singapore, about 14s. 3d.; shipment, 13s. 3d. per lb., c.i.f. Seychelles, 11s. 4d.; shipment, about 10s. 6d. per lb., c.i.f.

PEPPERMINT.—A moderate business continues, with the spot market steady and Japanese shippers keeping their prices firm: spot, 4s. 3d. to 4s. 4½d., with large buying orders at 4s. 1d. Japanese shippers firm at 4s. 1½d., c.i.f. and rejecting bids at less. There are forward buyers at 3s. 11d., c.i.f., up to August, with only one small seller at 4s. 1d., c.i.f. There are probable sellers of October-December at 3s. 10d. (buyers, 3s. 9d.), with no offers from the source for this position. Best brands of American natural oil, in drums, are firm for shipment at fully 2 dollars 10 cents per lb., c.i.f., in drums. Other brands down to 2 dollars, c.i.f.

PETITGRAIN.—Limited spot demand; occasional cheap spot seller noted; shipment quotations are steady: spot, cases, 4s.; shipment, 3s. 4½d. per lb., c.i.f.

RAISIN SEED.—Spot supplies of Californian are quoted from 2s. 4d. to 2s. 6d. per lb., ex store, according to quality.

ROSE.—New crop Bulgarian absolute is quoted from 14s. per oz., landed.

ROSEMARY.—Moderate spot demand, with prices keeping steady: Spanish oil about 3s. up to 3s. 7½d. per lb., as to quality and quantity. No definite shipments offers from the source. New crop oil, produced in Morocco, offering at about 3s. 2d. per lb., c.i.f. New crop, Tunis oil, to come forward, 2s. 9d. to 3s. per lb., landed, as to quantity.

SAGE.—Spot supplies of good quality Spanish oil are available on spot at about 3s. 8d. per lb., ex store.

SANDALWOOD.—Genuine East Indian Mysore, in one-case lots, continues steady at 20s. 6d. per lb. Genuine East Indian, produced outside the province of Mysore, 18s. 3d. to 18s. 6d. per lb., c.i.f., in bulk quantities. English-made West Indian, 7s. 3d. per lb. Australian, steady at 15s. 3d. per lb., for 7-lb. tins; one case at 14s. 9d. and five cases at 14s. 6d. per lb.

SASSAFRAS.—The range of prices is very wide and depends on the quality of the oil: quoted at 3s. 6d. up to 4s. 3d. per lb. Other oils at cheaper prices.

SPEARMINT.—Values are about steady, business quiet: U.S.P. oil, spot, 8s. 3d.; shipment, 7s. 6d. per lb., c.i.f. Other quality oils at cheaper prices.

SPIKE.—The holders of spot stocks of genuine Spanish oil of fine quality are maintaining the quotations at 5s. 6d. to 6s. per lb., ex store. Blended oils at cheaper prices.

WORMSEED.—Market is dearer at the source: U.S.P. oil, spot, 11s. 6d.; B.P., 12s. 3d.; shipment, U.S.P., firm, at 11s. per lb., c.i.f.

Correspondence

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Pharmaceutical Council Election

SIR,—Would everyone who voted for me at the recent Council election please accept my grateful thanks?

Sincerely yours,

London, N.16. JAMES C. YOUNG.

SIR,—Will you kindly allow me the opportunity of thanking all those who by their votes have returned me to the Pharmaceutical Council? I greatly appreciate the confidence placed in me.—Yours very truly,

PHILIP F. ROWSELL.

Exmouth.

SIR,—Please allow me to thank all those members who assisted in securing my success in the recent election. I can assure them I appreciate the confidence they have placed in me. It will be my constant endeavour to merit their confidence.—Yours truly,

G. R. KNOX MAWER.

Wrexham.

SIR,—May I take this opportunity of expressing my thanks to the 4,768 members of the Society who gave me their votes at the recent Council election, and whose support brought me so near to success? May I thank, also, those ladies and gentlemen who worked so hard in support of my campaign?

Yours faithfully,

Bradford. F. C. WILSON.

SIR,—May I claim a little of your valuable space to thank the 3,963 pharmacists who voted for me at the recent Pharmaceutical Council election? Also, I would like to thank that small but gallant band of workers for their invaluable help throughout the campaign. It was a good effort, and I appreciate very much the support I received at my first attempt.

Yours faithfully,

Horsforth. HERBERT HODGSON.

SIR,—Will you please allow me, through the *C. & D.*, to thank the 5,833 electors who favoured me with their votes and to assure them and the members of the Society generally of my continued efforts on their behalf. During twenty-five years of service on the Council one makes enemies as well as friends, and perhaps the greatest reward of honest and candid service is the growth of friendship and confidence as expressed by the result of the present election. May I also thank the *C. & D.* for the fairness exhibited during the contest, which, under the circumstances, is much appreciated. I can assure the electorate their confidence was not misplaced, and that I will continue to press reforms without fear or favour.

L. MORETON PARRY.

Liverpool.

SIR,—It is a noteworthy fact that, although the number of voting papers returned this year was approximately the same as last year, the seven successful candidates polled this year over 20 per cent. more votes than the seven successful candidates polled last year. With all respect to those candidates who were unsuccessful, I think that the electorate were wise to allow the composition of the Council to continue as it was for the present. I think that the explanation of the big increase in the votes polled by the successful seven was the very clear declaration of policy which members received from them; it left no doubt as to their intentions.—Yours faithfully,

J. GRIEVE.

St. Albans.

Chemists' Goods in Co-operative Stores

SIR,—In the table showing the figures taken from the departmental analysis of the co-operative movement (*C. & D.*, May 21, p. 593) it may be seen that there are 421 "chemist" compared with 10,660 grocery departments, and the sales average per member week is only a penny against 6s. 8d. This can be understood when it is considered that provisions must necessarily be bought and consumed every week, but it does not follow that the other 10,239 co-operative stores, which have no separate drug department, do not sell many articles which should really be classed as chemists' goods. Many of them must have patent medicine licences and sell proprietaries as well as packed drugs, and the statistics would be more informative if we knew whether these sales were included under groceries, or whether they were allotted to their proper sphere. There can be little doubt that co-operators do not purchase all their requirements from their own stores. It is against the terms of the contract to allow any discount on Insurance medicines; no dividend is supposed to be paid on P.A.T.A. lines; and with the growth of the C.F. movement the sales comprised under these three should form a fair proportion of the business of a chemist. Although it may be stated that the chemists' departments are capable of large-scale development, one wonders how far the co-operators themselves would support any special section which did not show them a concrete benefit in the shape of "divi."—Yours faithfully,

RATIONALIST (22/5).

SIR,—You have done good service to all connected with pharmacy in publishing details of the recent economic survey of the growth of the co-operative movement in this country. There is probably to-day more attention drawn to the incursion of the co-operative societies into pharmacy than ever before, and this, mainly because of the question of price maintenance and the giving of dividend. The usual competition of non-proprietary medicinal lines causes little trouble with chemists. It is somewhat consoling to find the average member spends but one penny per week in the drug department, although there may be a possible fallacy here, as many grocery departments sell proprietaries, and these may not necessarily be dissected out under the heading of "chemist." Pharmacists generally cannot have any greater objection to the opening of drug departments by co-operative societies than by multiple shops, and provided the dividend problem can be solved, there should be no great objection to the growth of drug departments.—Yours faithfully,

PHARMACEUTIST (22/5).

Pharmaceutical Assistants' Union

SIR,—Mr. J. M. Johnson (*C. & D.*, May 21, p. 605) refers to the Association of Chemists' Assistants and tells us their hopes were shattered by the disloyalty of the members. Pharmacy is too widely spread and its individual members so unknown to each other that it is difficult to see how an association which can represent all employees can be established. In any dispute between employers and employees, when negotiations between their respective representative bodies fail, the final argument is usually a strike or a lock-out. In the case of big undertakings with a large number of employees the strike can be enforced by picketing, but this could not be done in pharmacy because picketing of every shop would hardly be possible. Where a chemist's assistant had a decent employer and was satisfied with the wages and conditions, it is not likely that he would leave his work in support of some dispute in a distant town in which he was not interested. Neither would a pharmacist lock out a branch manager who was running a branch profitably. This lack of unity as a drawback to association is not confined to employees.—Yours faithfully,

FORMER EMPLOYEE (21/5).

Chemist and A.R.P. Schemes

SIR,—Your correspondent "R. F. T." (*C. & D.*, May 14, p. 576) complains that the chemist does not interest himself as much as many of the general public in A.R.P. instruction. While not admitting this to be true of all pharmacists, many of whom have taken the necessary course, it is not surprising if chemists as a body are not particularly keen in this matter. When the Government scheme for A.R.P. was first suggested, chemists asked what part they could play in it, and as we all know, were told to stop at home and mind their shops. Chemists are accustomed to the public expectation of first-aid from their hands, mostly gratuitous, for minor injuries, but civilised warfare presents a problem on an entirely different scale, and if chemists are to be reckoned in any way as some of the relief workers, they should be allotted some definite share in the general organisation, and their efforts should not be left in a vague manner to the response of the individual in a sudden emergency.—Yours faithfully,

MASKED (14/5).

Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them

K. A. B. (13/44).—Cleaning upholstery.—Apart from wholly removing the cover and sending it to a dry cleaner, the only way is to use a soap similar to a carpet soap. A suitable formula for such cleaner would be:—

Fuller's earth	4 oz.
Oil of turpentine	1 oz.
Potassium carbonate	8 oz.
Soft soap	a sufficiency

Mix the first three ingredients and make into a stiff paste with the soft soap. The following formula is for a lightning cleanser which may also prove suitable:—

Castile soap	4 oz.
Boiling water	40 oz.

Dissolve and add when cold:—

Strong solution of ammonia	8 oz.
Ether	2 oz.
Alcohol	4 oz.
Oil of citronella	½ dr.
Water	to 1 gall.

W. W. W. (16/51).—Hydrogen peroxide.—As a rough test for distinguishing between hydrogen peroxide solution 10 volumes and 20 volumes, we suggest you proceed as follows: Prepare a stock solution of potassium permanganate (slightly acidified with sulphuric acid) of such a strength that a certain volume of it is just decolorised by a measured volume of hydrogen peroxide solution 20 volumes. To test the solution under examination, take a convenient volume of stock solution and add to it the equivalent volume of hydrogen peroxide solution as shown by calculation. The potassium permanganate solution will be completely decolorised if the hydrogen peroxide is the full strength of 20 volumes, but not by a weaker one.

I. L. L. (17/53).—Agar in confectionery.—The use of agar in making confectionery is mainly similar to that of gelatin, for which it is substituted by certain makers in the manufacture of pastilles. The similarity of the two substances is such that one may be used in place of the other, and if there is any difference in the amount to be used, this can only be found by practical experiment. We suggest taking some such base as the following, and slightly increasing or decreasing the quantity of agar if the result is not satisfactory:—

Granular edible gelatin	20.0
Glycerin	30.0
Sucrose	15.0
Tartaric acid	3.0
Mucilage of acacia	to 100.0

S. A. W. (17/5).—Parasitic gastro-enteritis in sheep.—A mixture containing sodium arsenite and copper sulphate has until recently been considered the most efficient agent for the treatment of parasitic gastro-enteritis in ruminants, particularly in sheep, but this has of late been superseded by a mixture of copper sulphate and nicotine sulphate. This latter mixture is made up as follows: 5 per cent. copper sulphate, 5 per cent. nicotine sulphate (40 per cent.). The dose ranges from one ounce for large sheep to ¼ oz. for three months old lambs. Correspondingly larger doses are used for cattle. Much work has recently been done with the object of finding a method of administering drugs which would ensure their direct passage to the fourth stomach and intestine and thus avoid dilution of these agents in the rumen. It has been found that the reflex closure of the œsophageal groove is initiated in the pharynx and anterior part of the œsophagus and that the best agent for stimulating this reflex is an astringent salt, particularly copper sulphate in from 5 to 10 per cent. solutions. The reflex is established immediately after this agent touches the pharynx, so that the stomach tube should not be used in administering these drugs. The groove remains closed for only about 15 seconds after stimulation of the pharynx, thus the drug to be used should be administered immediately after the copper sulphate reaches the pharynx. The procedure, therefore, in drenching ruminants for the treatment of parasitic gastro-enteritis, where it is essential that the drug should escape dilution in the rumen, should be as follows: First administer 5 to 10 c.c of a 5 to 10 per cent. solution of copper sulphate in order to stimulate closure of the œsophageal groove and then immediately (within 15 seconds) administer the drug.

R. T. C. (30/5).—Creeping oil.—This oil is used for spraying on springs, nuts and bolts and so forth. Penetrating oils of this kind are usually composed of kerosene and machine oil, with a little essential oil or amyl acetate.

E. D. (11/5).—Capsicum and clove liniment.—Either of the following will probably be suitable for your purpose:—

I

Pulv. piper, nig.	
Pulv. capsici	of each 1 oz.
Sapo. dur.	
Camphor	of each 2 dr.
Ol. rosmar.	
Ol. lavand.	
Ol. caryoph.	of each 25m
Liq. ammon.	2 fl. oz.
Alcohol (90 per cent.)	to 10 fl. oz.

The solids are macerated with alcohol 6½ fl. oz. for eight days, expressed, the other ingredients added and made up to volume with alcohol.

II

Liniment of capsicum	2 fl. dr.
Oil of cloves	2 fl. dr.
Oil of rosemary	1 fl. oz.
Oil of spike lavender	3 fl. oz.
Oil of thyme	1 fl. oz.
Oil of turpentine	2 fl. oz.
Olive oil	8 fl. oz.
Strong solution of ammonia	½ fl. oz.
Wood naphtha	3 fl. oz.

J. D. H. (24/15).—Derris dust for raspberry canes.—Investigations into the subject have shown that dust containing approximately 0.09 per cent. rotenone gives serviceable control on raspberry and loganberry plants, although it is considered to be inferior to a wet derris spray. The dust may be made by mixing a derris powder of known rotenone content with sufficient china clay to produce a powder containing about 0.09 per cent. rotenone. The dust is applied to the canes by a blower in quantities of approximately 80 lb. per acre about the middle or latter part of June. Heavy late application should be avoided, as this is liable to leave unsightly deposits on the fruit. An alternative method consists of dusting the canes before the flowers open and also when they begin to open. If necessary, dusting may be followed by spraying with the following solution:—

Powdered derris, sufficient to produce a final rotenone content of 0.004 per cent.
Soft soap, 5 lb. per 100 gallons.

This is used to drench the canes thoroughly about the last week in June.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," May 26, 1888

Enforcing the Pharmacy Act

There is no reasonable chance of a new policy being inaugurated by the new Council; moreover, the surplus funds once available for a serious legal contest are practically gone, so that, given even the problematical "change of heart," there is getting less and less probability of any serious effort being made by the Council to put down the biggest and most dangerous foe to pharmacy. If there were the smallest hope of inducing any action, we would press on the new Council the duty of taking renewed proceedings against the illegitimate drug companies on the lines which were so nearly successful in Edinburgh a year ago. It will be remembered that a Scotch judge decided in favour of the very reasonable contention that, though a limited company may not be liable to a penalty for trading as a chemist and druggist, yet that the individual shareholders, if not qualified, were thus liable if they associated together to do what they might not do separately. This judgment was overruled by the highest court in Scotland, but there was every reason for testing the opinion of the English courts on the important points thus raised.

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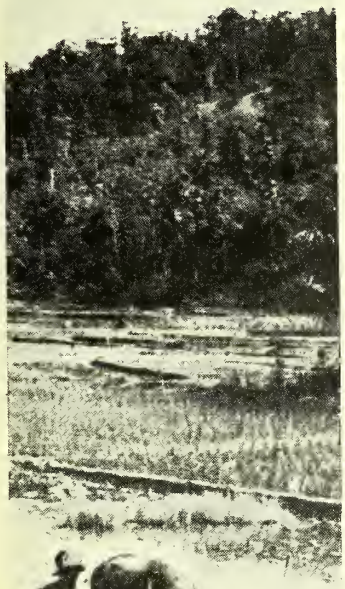

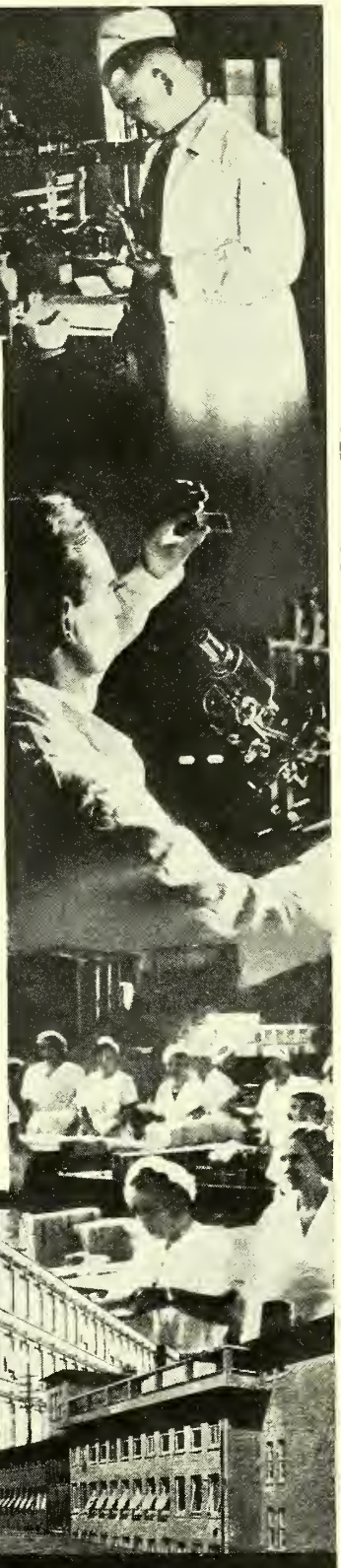

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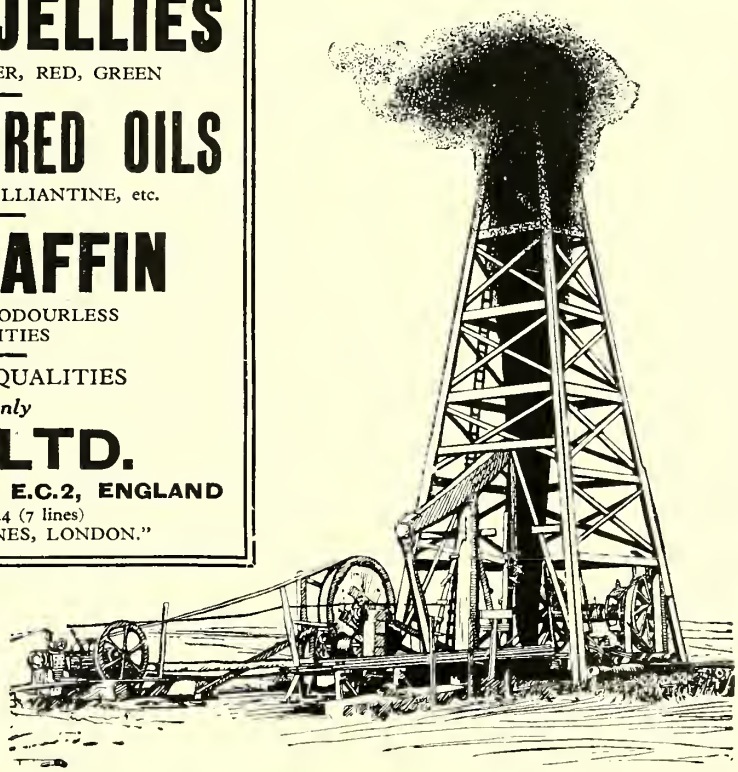

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Orders may be assorted as desired at above rates provided they reach minimum values, as follows:—

£4 - 4 - 0 *less* **3¾%** *one month*

£16-16-0 „ **8¾%** „ „

CARRIAGE PAID PACKING FREE

ORDERS may be sent direct or through the usual wholesale houses

The Lincoln & Midland Counties Drug

COMPANY, LIMITED

PARK STREET, LINCOLN

Telegrams: "Lindum, Lincoln" Telephone: Lincoln 55

A GENEROUS BONUS

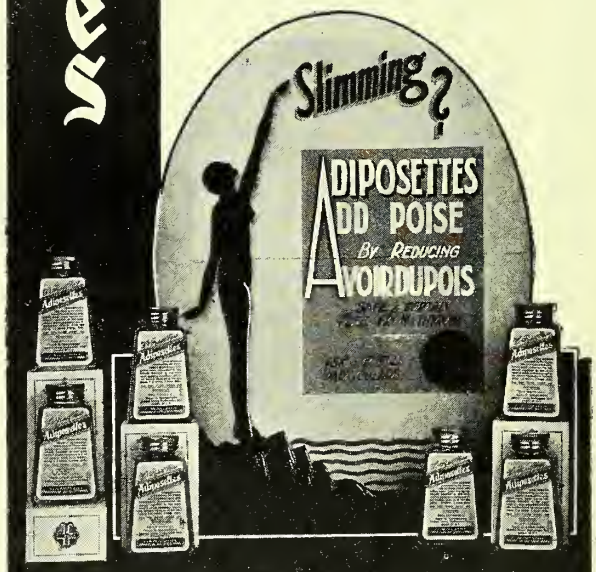
FOR WINDOW DISPLAY

Adiposettes

—and increased discounts generally, are now offered on Adiposettes — The Safe and Harmless Slimming Treatment —entirely free from Thyroid Extract.

Adiposettes are extensively prescribed by the Medical Profession, are entirely harmless and contain only pure vegetable substances.

Write today for full details of this profit earning offer.



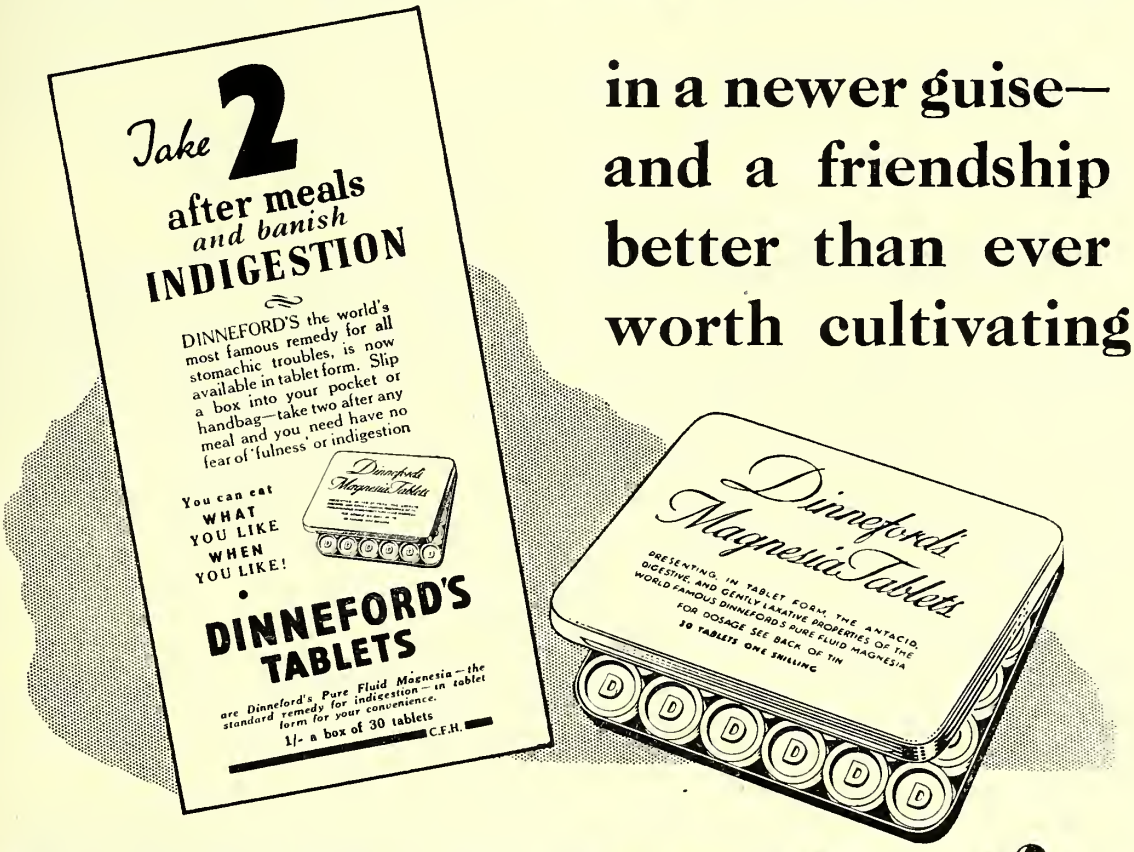
SOLE DISTRIBUTORS

FRANCIS RIDDELL LTD.

AXTELL HOUSE

WARWICK ST. REGENT ST. LONDON. W.I.

One of your oldest friends



in a newer guise—and a friendship better than ever worth cultivating

DINNEFORD'S *Magnesia* TABLETS

are being introduced to the public in an advertising campaign throughout the country. The Tablet form of this famous remedy with a reputation untarnished throughout a century, is being strenuously advocated on the ground of convenience, without prejudice to the parent product, DINNEFORD'S PURE FLUID MAGNESIA.

GET A SUFFICIENT STOCK TO MEET THE GROWING DEMAND

DINNEFORD & CO. LTD., 12, CLIPSTONE ST., LONDON, W.1.

C.F.H.

NEW PRODUCTS

now being advertised to the Medical Profession

IODAMELIS (Logeais)

An organic combination of Iodine and Hamamelidin for oral administration, which is exceptionally well tolerated and does not give rise to iodism.

THIONAIODINE (Logeais)

A complex Iodine-Sulphur-Magnesium combination for injection in the treatment of all forms of Rheumatism.

Packings and Prices.

			Retail.	Wholesale per doz.
IODAMELIS	-	Bottle of 25 c.c. with dropper	5/-	45/-
THIONAIODINE	A.	Ampoules of 5 c.c. box of 6	5/-	45/-
"	A.	" " 10 c.c. " " "	7/-	63/-
"	B.	" " 10 c.c. " " "	8/6	76/6
"	B.	" " 20 c.c. " " 4	7/-	63/-

THE ANGLO-FRENCH DRUG CO. LTD., 11-12 GUILFORD STREET, LONDON, W.C.1

NOW *is not too soon!*

Better late than never, but NOW is not too soon to start selling Box's Pills.

They've been earning good profits for a steadily growing number of Pharmacists for over 50 years and could be doing so for YOU, TO-DAY.

BOX'S PILLS

P.A.T.A. Retail Prices
1/3 3/- 5/- & 22/-

W. H. BOX, 161 KING ST., PLYMOUTH

H. E. STEVENSON & Co., Ltd.

10 Pancras Lane,
Queen Victoria Street, London, E.C.4

Halibut Liver Oil

Biologically Tested and Standardised

60,000 Int. Units Vit. A per gramme
2,000 " " " D " "

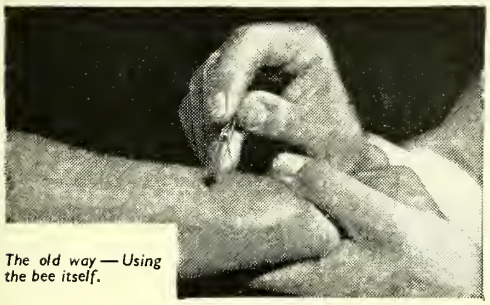
SPECIAL PRICES IN BULK

Also in other strengths.

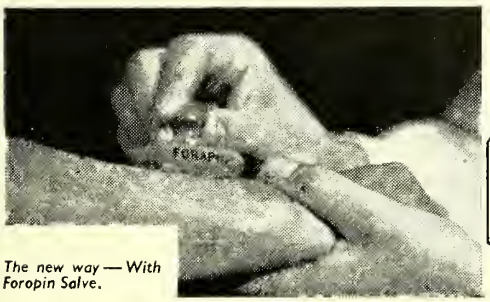
5 c.c. vials in cartons. 12/6 per dozen.

Bottles of 25 × 3m Capsules beautifully packed. 13/6 per dozen.

H.L.O. Emulsion



The old way — Using the bee itself.



The new way — With Forapin Salve.

Bee Toxin in the treatment of Rheumatism

The chief advantages of this preparation in salve form are :—

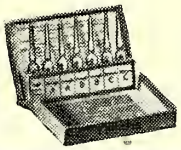
1. The application of bee toxin in the form of an ointment is at least equal in its effect to the older methods.
2. It is simple and almost painless to apply and may be prescribed for ambulatory cases without any constant medical supervision.
3. It is possible to introduce the large amounts of toxin necessary in chronic cases, without resulting in any considerable pain.

Tubes :
Forapin I. Normal - - - 4/6
Forapin II. Strong (in obstinate cases) 5/6

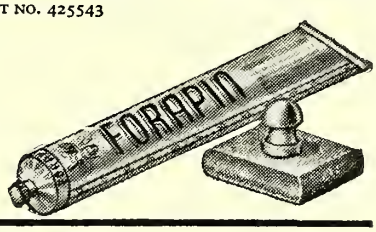
The toxin is also available in ampoule form for intracutaneous injections

FORAPIN

BRITISH PATENT NO. 425543



BEE TOXIN



Literature will gladly be sent on application to

COATES & COOPER LIMITED
Sole Concessionnaires for the U.K. and Dominions,
94 Clerkenwell Road, London, E.C.1

TAXOL

PHYSIOLOGICAL TREATMENT OF CONSTIPATION

INTESTINAL GLAND EX. AGAR AGAR
LACTIC FERMENTS. BILE EXTRACT

DISPLAY TAXOL ON YOUR COUNTER

FROM ALL WHOLESALERS

CONTINENTAL LABORATORIES LTD.
30 MARSHAM STREET LONDON S.W.1

CHAIN STORE COMPETITION

CAN BE MET!

Smart and Ethical Packs

PROMPT DELIVERY

Materials of Guaranteed Quality

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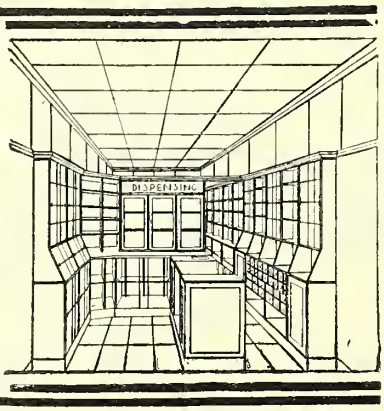
GLYC. THYMOL CO.
HYDROGEN PEROX.
LIQUID PARAFFIN
OLIVE OIL
DRUGS
AND
SPUN
OINTMENTS

THE MODERN CHEMIST
—Fittings by—
D. MATTHEWS & SON, LTD.
The Liverpool Shopfitters
14/16 Manchester St.
LIVERPOOL 1
Established 1848
'Phone: Central 2694/5



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Principal: **H. Humphreys-Jones**
F.I.C., F.C.S., Ph.C.

Revision Courses for the Pr. Scientific and C. & D. Qualifying Exams.

August 4th — Fee, 6½ Gns.

Next Session Commences first week in October

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Full particulars from
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PARAMOUNT FOR PURITY
THE SWEETS THAT SELL
PARAMOUNT PRODUCTS LTD., Britannia House, BRADFORD. Tel.: Bradford 6958

MAWDSLEYS
for SUNDRIES

If you are in the market for Sundries, it will pay you to drop a card to
D. MAWDSLEY & Co.
Riga St., Shudehill, MANCHESTER

a CHEMISTS FRIEND

in more ways than one

Right from the word "go" we have believed in backing up the retailer in every possible way. This policy has paid us. So much so that we can announce a further advantage for Koray stockists. These new Trade Discounts mean more profit for those wise Chemists who believe in recommending and selling this sound C. F. line.

NEW TRADE TERMS SHOW A FULL

33⅓% *Discount on selling price*

Parcels of **20/-** *or over additional* **7½%** *plus a further* **2½%** *cash* **7** *days*

Order through your usual wholesaler, or direct (giving name of wholesaler). If you would like a generous supply of free samples, or display material please write to Koray Ltd., London, N.5.

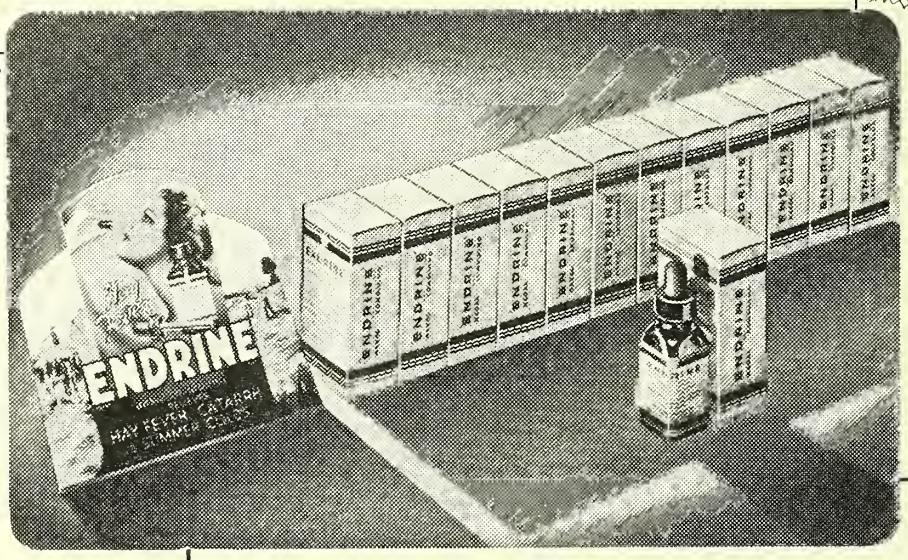
5 for 3d 10 for 6d 28 for 1/3 and 60 for 2/6

KORAY

BRAND

TABLETS

'ENDRINE' HAY FEVER BONUS



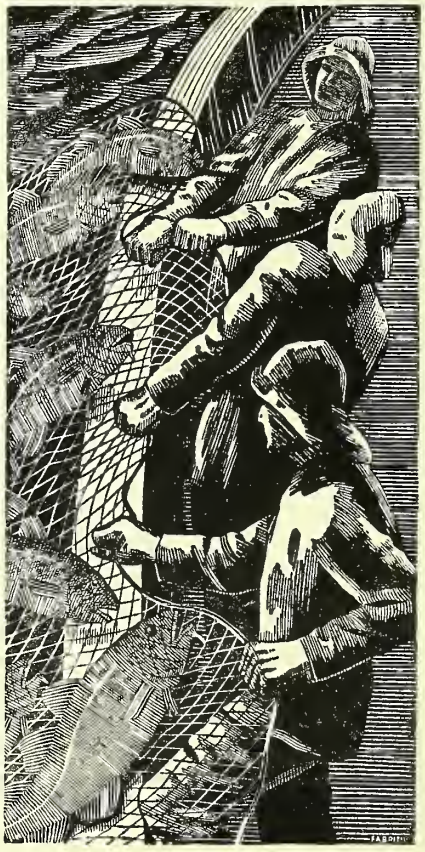
Hay Fever is sweeping the country. Take extra profit from this lucrative business by ordering 'ENDRINE' from your wholesaler on 13 to 12 display bonus terms . . . . John Wyeth & Brother Ltd., 25 Oldhill Place, London, N.16

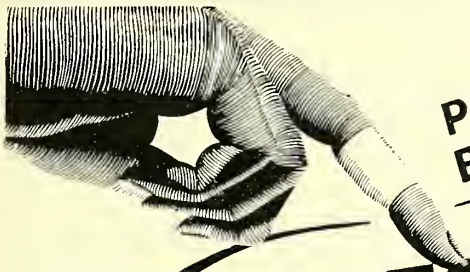
OLD THINGS ARE BEST

For a thousand years Norwegian Medicinal Cod Liver Oil has been renowned as Nature's own cure.

NORWEGIAN MEDICINAL COD LIVER OIL

WORLD · FAMOUS FOR QUALITY





POINTING TO BETTER BUSINESS IN BANDAGES

PRESTOBAND

the new self-adhesive bandage

Prestoband has established itself a firm favourite with both trade and public. It is streets ahead of the ordinary bandage from the public's point of view—and it is a far more attractive proposition for you too. Retailing in three sizes @ 3d., 6d. and 9d., it shows a generous margin of profit. We are advertising it extensively in the leading National newspapers and periodicals, and we cordially invite you to share in the excellent business which this advertising is creating.

Supplied by the Manufacturers, VERNON & Co., Ltd., PRESTON, through WHOLESALE TRADE CHANNELS ONLY.

NO KNOTS-NO PINS - DOES NOT STICK TO SKIN OR HAIR

"HERNICURA" TRUSSES
(REGISTERED No. 254807)
AND SURGICAL APPLIANCES
WILL BUILD UP YOUR TRUSS TRADE
DISTRICT SOLE RIGHTS GIVEN
Write for Illustrated Price List to the Sole Proprietors:
JEFFERSON & SON
"HERNICURA" TRUSS & SURGICAL APPLIANCE SERVICE
ETON RD., WOOLWICH, LONDON, S.E.18 *Phone: Woolwich 0607*

you can STOCK su-can and SU-CAN sell themselves
SU-CAN SOLUBLE SANITARY TOWELS
Obtainable from your usual wholesaler—
ROBINSON & SONS, LTD.
CHESTERFIELD, and
168 Old Street
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ZEAL
Clinicals
The Choice of Experts
BRITISH MADE

NO HIGHER IN PRICE THAN NONDESCRIPT MAKES

Also Household, Bath and Works Thermometers, the best of their kind

G.H. ZEAL LTD.
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Hospital Sheetings

. . . are very strong, have a good finish and will withstand sterilisation.

. . . They are made in various colours and weights to meet the requirements of Hospitals, Poor Law Institutions, etc.

HOSPITAL SHEETINGS

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NETHERTON WORKS, ANNIESLAND, GLASGOW

IOCO
FOR LONG SERVICE.

NORVIC
ABDOMINAL
CRÊPE BINDERS & BANDAGES

The ideal Abdominal Binder is one that "gives" to movement, however often washed, and contains no rubber to cause discomfort. The Norvic crêpe binder meets those requirements exactly. Comprising 70% wool, it combines firm support with absolute ease and softness. It is self-clinging, no folding is needed. Stretched to six yards length without loss of width and the edges do not tear or ravel. Made in 6", 8" and 11" widths.

This hygienic, very useful Binder has wide public favour, and the price is quite moderate. Supplies may be had through your usual Wholesalers.

Sole manufacturers :—

GROUT & CO., LTD.,
35 WOOD STREET.,
LONDON E.C.2

Forster's "Eldon" Vapouriser FOR USE WITH NIGHT LIGHT
Retail, 1/9. Wholesale, 15/-.
Also Forster's "Fenolin Fluid" For Whooping Cough
Write for particulars
HALL, FORSTER & CO., Ltd., Newcastle-on-Tyne

Display Cards and Cartons of 1 doz. 6d. Tubes. Display Cartons of 1 doz. 1/- Tubes. Aluminium Containers 2/6.
APPLIED BEFORE WORK.
Also OINTMENT In Tubes 6d. & 1/-
ROZALEX KEEPS HANDS CLEAN
PREVENTS CHAPPED HANDS
From wholesaler or direct. Show matter and literature supplied on request to
ROZALEX LTD., CROSS STREET, MANCHESTER

SOUTHALLS
"CELTEX" SOLUBLE
San towels

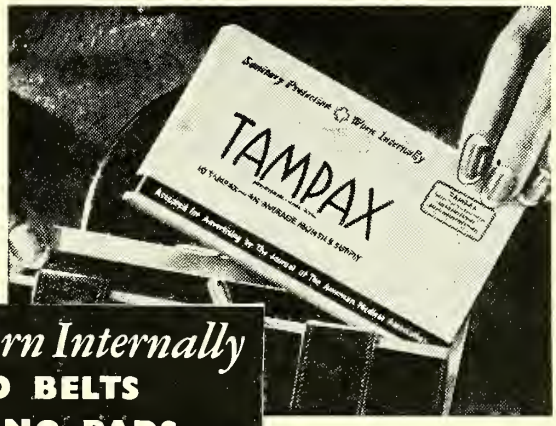
IN CARTONS
6 for 6d. and 12 for 1/- and 1/2, 1/6 and 2/-
also MAKERS OF "ORIGINAL" & "K" SAN TOWELS

TAMPAX

HAS REVOLUTIONISED SANITARY PROTECTION!

Up and down the country women are reading the sensational news of complete sanitary protection without sanitary towels.

Tampax is worn internally: NO BELTS, NO PINS, NO PADS, NO ODOUR. An adaptation of the medical tampon, Tampax was invented by a physician to solve the greatest problem of woman's hygiene. Chafing and irritation are now eliminated. Tampax is invisible, and cannot become dislodged even during the most strenuous exercise. It is so comfortable that the wearer is unconscious of its presence. Tampax is recommended by doctors as the most hygienic form of sanitary protection available to women to-day, and **more than five million packets have already been sold.**



Worn Internally
NO BELTS
NO PADS
NO PINS

★

● TAMPAX ADVERTISING REACHES YOUR CUSTOMERS!

Women's magazines sold by YOUR NEWSAGENTS *are introducing Tampax to thousands of women in* YOUR DISTRICT *every month. By displaying Tampax you make sure they start a regular buying habit in* YOUR STORE!

TAMPAX ADVERTISING MEDIA:

Daily Mirror	Wife & Home	Woman's Own
Sunday Pictorial	Modern Woman	Woman's Pictorial
Sunday Graphic	Mother	Woman's Illustrated
Daily Sketch	True Story	Red Letter
Good Housekeeping	True Romances	Red Star Weekly
Britannia & Eve	Weldon's Ladies' Journal	Weekly Welcome
Woman's Journal	Modern Home	My Weekly
Woman's Fair	Home Journal	Woman's Way
Woman & Beauty	Woman	Weekly Illustrated
Vogue	Woman's Weekly	Film Pictorial
Woman & Home	Home Chat	Film Weekly
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YOUR WHOLESALER STOCKS TAMPAX

TRADE TERMS: 13/6 per dozen (Retail 1/6, packet 10's) and 9/- per dozen (Retail 1/- packet 5's).

WOMEN ASK FOR TAMPAX
where they see it displayed

Sole Distributors: **SPLENDOR LTD., 5, BEASTMARKET HILL, NOTTINGHAM** *Tel.: Nottm.* 45138.
For TAMPAX LTD., 10 BOLTON STREET, LONDON, W.1

THE
"MATER"
CLINICAL REGD.
The position of the Mercury column is at once perfectly plain. Red markings above 99.4.

ALL TYPES OF
CLINICAL
AND OTHER
THERMOMETERS

PERKEN, SON
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Telephone : 0724 Holborn
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RELIABLE
ELASTIC HOSIERY
SEAMED & SEAMLESS
For special garments to measure we maintain a 24 hour service.
:: BODY BELTS ::
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Permit us to quote you

SURGICAL HOSIERY CO. LTD.
Russell Street :: NOTTINGHAM
Telephone No. : 75903. Telegrams : SURGICAL, NOTTM.

For
PARTICULAR
PEOPLE

For use with Sanitary Towels as a DEODORANT and to prevent chafing. It neutralises body odours at once.

ORDER FROM YOUR WHOLESALE HOUSE

"WEBSTER'S"
STAINLESS STEELWARE
Specialists in modern equipment for manufacturers i.e., Funnels, Buckets, Jugs, Mixing Containers, Measures, Percolators, Bogies, etc., etc.
Suppliers of Stainless Steel utensils, at prices which enable the user to employ them in place of other metals, as an economical proposition.
The use of Stainless Steel equipment, designed on modern principles, enables overhead costs to be reduced and makes for more convenient and better working conditions.

ISAAC WEBSTER & SONS, LTD.
ABBEY WORKS, KIRKSTALL, LEEDS, 5
Telephone : 51980 Headingley. Telegrams : Isaac Webster, Kirkstall.

SURE DEMAND GOOD PROFITS

There is always a good demand for Sherley products. They are prepared by fully qualified analytical and pharmaceutical chemists, and are renowned for purity, safety and efficacy. Extensive advertising always keeps them in the public eye and the public buy. Trade terms are generous, and in addition we offer quantity terms of

2½% Discount on £2 Parcels plus a further **5%** For Window Display

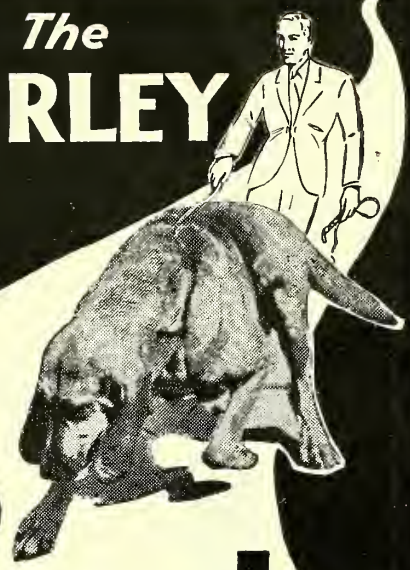
YOU cannot afford to be without such quick-selling lines as Sherley's Tonic & Condition Powders, Worm Capsules and Powders, Canker Lotion and Powder, Lactol, etc. Therefore order NOW.

A. F. Sherley & Co. Ltd., 18 Marshalsea Road, London, S.E.1

SHERLEY'S

DOG And Cat Foods & MEDICINES

Follow The
SHERLEY
Trail
To —



£.s.d.

HARVEY'S Horse Remedies

P.A.T.A.
Protected Prices.

THESE Remedies are used in most of the Training Stables, Stables of Masters of Hounds, and by many thousands of the best Private Horse Owners in the United Kingdom and Abroad.

Supplies through all Wholesale Houses.

HARVEY & CO. (DUBLIN), Ltd., DUBLIN

NICOTINE INSECTICIDES

(PART 2 POISON)

Nicotine 95-98% ; Nicotine Sulphate 40%.
Nicotine Fumigants (Shreds, Compound, Rolls).
" Lyce-Deth " (A Super Poultry Perch Paint).
Nicotine Washes (Nico Soap, etc.).
Nicotine Dusts, 2%, 3% or 4% grades.

Apply for particulars to :

J. D. CAMPBELL NICOTINE MANUFACTURER
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BATTLE'S VERMIN KILLER

Of all Patent Medicine Houses at **3/-, 5/-** and **9/-** per dozen.

In packets at **5d., 9d., 1/3, 2/6** and **5/-** each.

(P.A.T.A.)

The *sure* destructive agent which may be confidently recommended by Chemists for quick clearance of rats and mice.

Prepared only by

BATTLES LTD., STONEBOW, LINCOLN

AYRTON-GRAHAM LTD.

Designers and actual manufacturers of

FITTINGS

For the MODERN PHARMACY.

Shop Fronts, Show Cases, Exhibition Cases, Counter Cases, Counters, Wall Cases, Glass Signs, etc., etc.

PHARMACIES MODERNISED.
ALL GOODS OF BEST QUALITY AND FINISH AT LOWEST RATES
Competent Fitters sent to all parts.

24 BENSON ST., LIVERPOOL

VICHY-CÉLESTINS

The world renowned NATURAL Mineral Water.

(And the other State Springs of Vichy)

We beg to remind the Trade that the above are on the P.A.T.A. list and show a good return to retailers.

These waters are largely prescribed by Physicians, and Chemists would do well to have an ample stock on hand.

Pamphlets, Show Cards and Dummy Bottles forwarded on application.

CAUTION—Each bottle from the STATE SPRINGS bears a neck label with the word "VICHY-ETAT" and the name of the

SOLE AGENTS:—

INGRAM & ROYLE LTD.

Bangor Wharf, 45 Belvedere Road, London, S.E.1

And at LIVERPOOL and BRISTOL

Telegraphic Addresses:

"Ingram-Royle Watloo, London."	"Sprudel, Bristol."	"Célestins, Liverpool."
'Phone: WATerloo 4343 (2 lines).	'Phone: 21913.	'Phone: Bank 4528.

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

MAY 28, 1938

ADVERTISEMENT TARIFF

ALL ADVERTISEMENTS are PREPAID, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

BUSINESSES WANTED and for DISPOSAL, PREMISES TO LET and FOR SALE, PREMISES WANTED, PARTNERSHIPS, GOODS for SALE and AGENCIES—6/- for 50 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)

SITUATIONS OPEN—6/- for 40 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)

SITUATIONS WANTED—2/- for 18 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)

LEGAL NOTICES, TENDERS, AUCTIONS, and all specially-spaced announcements, 1/3 per nonpareil line (12 lines = 1 inch single column). (Box No., 1/- extra.)

MISCELLANEOUS (Wholesalers') Section for odd and second-hand lots—10/- for 60 words: 1/- for every additional 10 words or less. (Box No., 1/- extra.)

EXCHANGE COLUMN (for Retailers, etc.)—Twopence per word, minimum 2/-. (Box No., 1/- extra.)

REPLIES FROM ADVERTISERS—1/- per line; 3 lines 2/6.

THE CHEMIST & DRUGGIST, 28 Essex St., Strand, London, W.C.2

Telephone: Central 6565 (10 lines). *Telegrams: "Chemicus, Estrand, London."*

CLOSING FOR PRESS

All advertisements intended for insertion in this Supplement must reach us not later than FIRST POST THURSDAY MORNING

ORRIDGE & CO.

56 LUDGATE HILL, E.C.4

ESTABLISHED 1846 *Telephone Nos.: CITY 2283 & 7477*

May be CONSULTED at their Offices on MATTERS of SALE, PURCHASE & VALUATION

We make no charge to purchasers, and invite intending buyers to communicate with us, stating their requirements

1.—HACKNEY.—Middle and Working Class Cash Retail Business; takings, present rate about £28 per week; good profits; stock worth about £600, can be reduced to suit purchaser; excellent house over; no reasonable offer refused; **part payment terms entertained.**

2.—BERMONDSEY—DEATH VACANCY.—General Retail and Photographic Business for immediate disposal; takings approximately £1,100 per annum; stock worth £300; nice living accommodation; no reasonable offer refused; particulars upon application.

3.—SUBURBAN CHEMISTS, LTD., LOUGHTON, ESSEX (in Voluntary Liquidation).—Good-class Business; present turnover nearly £50 per week; stock and fixtures worth about £1,400; living accommodation over at present sublet; offers invited for business and freehold; full details upon application.

4.—READING.—Owing to the decease of Mr. Herbert Dyson, his good-class General Retail Business is for immediate disposal; turnover about £2,700 per annum; full particulars upon application; Sole Agents.

5.—NORTHANTS.—Middle-class Retail Business; takings last year £845; stock and fixtures worth £250; nice living accommodation; rent £50 per annum; price asked for the lease and goodwill £50, or a lump sum offer would receive consideration.

6.—NORTH LONDON.—Well-established Middle Class Business for sale; increasing turnover, last year under management £1,660; G.P. £664; excellent living accommodation; stock and fixtures worth £650; reasonable purchase price asked; **part payment terms entertained—£300 cash down**; further details upon application.

7.—GRAVESEND.—Ill-health necessitates the early sale of a General Retail Business with an increasing turnover; takings this year £1,750; stock £600-£700; fixtures £175; modern living accommodation; new lease; inclusive purchase price £1,000, or near offer.

8.—DAGENHAM.—Middle- and Working-class Cash Retail Business; takings last year £2,460; big Panel; splendid living accommodation; new lease; rent £120 per annum; inclusive purchase price asked £900, or valuation terms entertained.

9.—POTTER'S BAR.—Genuine Cash Retail Business; takings average £50 per week; well established; modern flat; heavy stock; Maw's fixtures; inclusive purchase price £1,650 or near offer; N.P. over £500 p.a.

10.—HIGHGATE (NEAR).—Progressive Light Retail Business; turnover about £2,600 per annum; rent only £92 10s.; lock-up Pharmacy; inclusive purchase price £1,650; income tax net profit £681. Vendor buying another business.

11.—FOREST HILL (DEATH VACANCY).—Cash Retail Business for immediate disposal; turnover over £1,300 per annum; scope; leasehold premises also for sale; ground rent £10 per annum; lease 36 years unexpired; stock and fixtures worth about £375; inclusive purchase price of business and property £950, or offer; a lease might be granted. Offers invited.

12.—EASTERN COUNTIES (IMPORTANT TOWN).—General Retail Business in excellent position; takings last 14 months £2,628; gross profit £924; rent £150; inclusive purchase price required £1,650; dissolution of partnership; net profit about £600 per annum to managing proprietor.

13.—BIRMINGHAM.—For immediate disposal at bargain price; Middle-class Cash Retail Business; takings last year £1,390; gross profit £526; new lease at £80 per annum; sublet 15s. per week; stock worth about £300; valuable fixtures; price £500 all at or near offer; excellent opportunity.

14.—GRIMSBY.—RETIREMENT VACANCY.—Old-established main road General Retail Business; average net profit last 3 years £300; certified accounts; scope for increase; only one private chemist as opposition; good living accommodation; low rental; inclusive purchase price £500 or valuation of stock and fixtures.

15.—SURREY.—General Retail Business taking about £3,000 per annum; valuable lease; excellent fixtures; heavy stock; increasing turnover; genuine reason for sale; inclusive purchase price about £1,800.

16.—DEVONSHIRE.—Village Business; mixed trade; turnover exceeds £1,600 per annum; valuable stock and fixtures; good living accommodation; rent only £28 per annum; inclusive purchase price £550.

17.—HARROW.—Mrs. Breingan is desirous of disposing of her late husband's business forthwith; turnover average over £40 per week under management; Arden Agency; stock and fixtures worth about £1,000; no reasonable offer refused; two flats over.

18.—GLOUCESTERSHIRE.—Ill-health necessitates the immediate sale of a Country Retail Business; takings last year £1,200 approximately; good profits; stock and fixtures worth £600-£700; rent only £60 per annum; offers invited; small sum required for premium.

19.—SUFFOLK COAST.—General Retail Business with Confectionery; turnover over £3,000; gross profit about 33 per cent.; good clean saleable stock worth about £575; nice living accommodation; fixtures and fittings worth about £250; long lease; small sum required for goodwill, plus the stock and fixtures at valuation; full particulars upon application.

20.—CREWE.—General Retail Business; takings present rate average about £18 per week, increasing; light oak fixtures; stock £325; excellent living accommodation; rent £65 per annum; price required £160, s.a.v.

21.—KINGSTON.—LIQUIDATION.—Well-established General Retail Business; takings last year £2,339; G.P. £733; stock estimated at £500; good living accommodation; first reasonable offer obtains; details upon application.

22.—BRISTOL.—General Retail Business occupying important site; cash takings, present rate £32, plus N.H.I.; scope; exceptionally valuable Lease; stock and fixtures worth about £800; inclusive purchase price required £1,200 approximately, or valuation terms entertained.

Chemists' Transfers, Valuations for Sale, Stocktaking & Probate, Sales by Auction

Special Terms for Income Tax Valuations and Preparation of Accounts by Qualified Accountants

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County Bldgs., Bridge St., Walsall
Telephone: Walsall 3774

Lancashire and District Representative: Mr. E. BROWN, 21 Davenport Road, Hazel Grove, Stockport. Telephone: Great Moor 2405.

(C1) EWELL (NEAR).—Attractive main-road business occupying prominent position in middle-class, residential suburb, near to leading multiples; turnover for 1936–37, £2,847; gross profit £1,080; net profit to Owner-Proprietor £600–£700; rent £220, including up-to-date flat; lease 17 years; price £1,300, plus stock at valuation (estimated at £480).

(C2) BIRMINGHAM.—Old-established family Business; turnover upwards of £1,550 per annum; gross profit about £600; rent £70; fixtures and goodwill £400, plus stock at valuation.

(C3) CLAPHAM (NEAR).—Attractive, well-fitted Pharmacy, with genuine scope for increase; turnover upwards of £1,500 per annum; gross profit about 35 per cent.; living accommodation, which has been recently redecorated; price £850, including stock (£450–£500), and fixtures (about £200); reasonable offer considered.

(C4) GLOUCESTERSHIRE (DEATH VACANCY).—Old-established; turnover approximately £1,500 per annum; prominently situated Pharmacy with living accommodation; rent £80 or property can be purchased at very reasonable figure; little opposition; price £850 all-at.

(C5) WORCESTERSHIRE (NEAR).—Lock-up Pharmacy, situated in small country holiday resort amid charming surroundings; turnover (certified) for last financial year, £829; gross profit £320; good living accommodation; price all-at £300; offers considered.

(C6) LIVERPOOL.—Old-established, high-class family business, with no near opposition; turnover for 1937 financial year, £1,646; gross profit £560; rent £60; lease 21 years; freehold can be purchased if desired for £1,000; price £800, including stock £400 and fixtures £300.

(C7) CHELSEA.—Branch business (lock-up) with increasing turnover now at the rate of approximately £1,500 per annum; main road position; no Sunday duty; rent £90; stock and fixtures estimated at £750; price £850, or near offer.

(C8) ESSEX.—Well-positioned main road Pharmacy, showing steadily increasing returns; turnover for 1937 financial year, £2,243; should reach £50 per week in the near future; price £1,650 or near offer.

(C9) ENFIELD (NEAR).—Steadily increasing middle-class business; turnover (certified) for 1936–37, £1,937; gross profit £730; net £475; moderate living accommodation; rent £78; price £950 or near offer; property not modern, but as a profit-earner, the business is above the average and is still increasing.

(C10) YORKSHIRE (INDUSTRIAL TOWN).—Lock-up Pharmacy, with increasing turnover; certified returns for 1937, £1,863; rent £30; rates £17; all cash trade, mainly of the working-class type; stock and fixtures estimated at £450; price all-at £650.

(C11) WILTSHIRE (**small deposit down and balance over a period by arrangement**).—Village business with good living accommodation; in present hands during past 34 years; owner retiring; very low overheads; present returns small, but capable of substantial increase; stock and fixtures estimated at £550; offers invited; please state amount of capital available.

(C12) KENT (NEAR TO LONDON).—Steadily increasing business with self-contained flat above; turnover for year ended December, 1936, £1,601; 1937, £1,925; gross profit £654; rent £150; lease about 16 years to run; price £650 all-at.

(C13) EAST FINCHLEY (NEAR).—Established main road business with living accommodation, at present sub-let; turnover for year ended December, 1937, £2,572; gross profit £962; stock estimated at £1,000, all of which is good; fixtures about £280; price all-at, for quick sale £1,530, or near offer, including only £250 for goodwill.

(C14) BOURNEMOUTH.—Attractive and well-fitted Pharmacy with excellent living accommodation; main-road position; turnover approximately £1,400 per annum; net profit about £260, but these figures represent no criterion of possibilities; price all-at £700, representing little more than value of stock and fixtures.

(C15) WOLVERHAMPTON.—Suburban business with living accommodation, situated in rapidly developing area; present returns approximately £22 weekly; lease will be granted at rent of £80 per annum, or property can be purchased for £1,000; no near opposition; reasonable purchase price (by negotiation).

(C16) BERKSHIRE.—Present returns approximately £2,000 per annum under management; good scope with personal attention; rent £100, including small house with garden and garage; lease 21 years; stock estimated at £700; fixtures £250; price £1,250 all-at; **owner will, if necessary, accept £800 down and the balance by arrangement.**

(C17) SOMERSET.—Village business with excellent scope; situated amid beautiful country surroundings; present net profit approximately £300 per annum; living accommodation; reasonable purchase price.

(C18) HEREFORDSHIRE.—Old-established, middle-class business with excellent scope under personal proprietorship; present returns average approximately £1,000 per annum; living accommodation with four bedrooms, etc.; reasonable rental and purchase price; open to offer.

(C19) WIRRAL.—Up-to-date Pharmacy with modern house; increasing turnover; net profit for last financial year £312; property also available (net mortgage repayments of capital and interest, £78 per annum); no near opposition; price £700; cash requirements for property, £340 only; excellent scope, as the district is rapidly developing.

(C20) LEYTON (NEAR).—Main-road Pharmacy, situated in improving position; spacious and double-fronted, with excellent internal fixtures; turnover for 1937, £2,344; modern six-roomed house with bathroom, etc.; returns likely to increase substantially; price £1,650, including stock and fixtures estimated at £1,450.

Valuations for transfer, probate, income tax, etc., promptly executed at economical rates

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THE ASSOCIATION OF MANUFACTURING CHEMISTS, LIMITED
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BUSINESSES FOR DISPOSAL

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BOURNEMOUTH.—Main road position (see article, page 391, "Hairdressers' Journal," January 29); exceptional opportunity for Qualified Chemist. At present Tobacconist and Hairdressers; suggest substituting Chemists for tobacco; no opposition; profits from Hairdressing more than cover rent of premises, which have two flats above. To those with small capital accommodation if required, interested and wanting proof, write or call (Sunday no objection), Owner, 12 Carbery Row, Southbourne Road, Bournemouth. Alight Irving Road bus stop. Telephone: Southbourne 1231.

CHESHIRE.—Recently established Pharmacy for sale; returns approaching £20 per week, increasing rapidly; good N.H.I.; low overheads, lease, living accommodation; fixtures and fittings £160 plus stock at valuation, approximately £325; immediate sale required; genuine reason for disposal. 186/11, Office of this Paper.

HOVE.—Opportunity for Qualified man; scope N.H.I. and private dispensing; large, light, double-fronted, lock-up shop; Drug Store, established as a Chemist in 1904; rent £30; lease 8 years; stock £160, could be reduced if desired; small ingoing for good fixtures and goodwill. Palds, 281 Portland Road, Hove.

KENT.—Double-fronted Pharmacy; good living accommodation; established six years; growing district; eleven miles from London; average turnover £27 per week, with good panel; owner leaving Pharmacy for other activities. Price £500 cash. Write, B.M./N.D.A.K., London, W.C.1.

LONDON, N.1.—Old-established Family business in main street; lock-up shop; turnover for 1937 under management over £1,600, including 10,000 N.H.I. scripts; scope for large increase under personal supervision; price £200, plus stock at valuation. 187/21, Office of this Paper.

LONDON suburb, established branch Chemist business for sale; about £500 required; main road; good frontage; nicely fitted; clean saleable stock; Kodak. Ucal; turnover increasing; sound proposition. Apply, 187/47, Office of this Paper.

LONDON, S.W.—Drug Stores, excellent position for Chemist; lease 11 years to run; rent £100 per annum; increasing trade; splendid opportunity; inquiries invited. 326/870, Office of this Paper.

NEAR RICHMOND, Surrey.—Light Retail, established 15 years; takings (3 years' average) £1,157; has done over £2,000; exceptionally well fitted; recently decorated throughout; clean, saleable stock, about £500; cash trade; main-road position; rent £150; new lease would be granted; genuine buyers only. 187/31, Office of this Paper.

NORTH YORKSHIRE seaside town; old-established (33 years) business; turnover approximately £1,200 (increasing); low rent and rates; good living accommodation; domestic reason for disposal; Wine Licence; price, valuation of stock and fixtures (about £800). 327/880, Office of this Paper.

S.E. LONDON Drug Store for Disposal; no opposition; long lease, low rent; accountants' figures; genuine reason for disposal; low purchase price. 188/6, Office of this Paper.

WEST CORNWALL.—Seaside town, old-established light Retail business; stock and fixtures at valuation; price of lease and goodwill and rent to be arranged. 187/17, Office of this Paper.

WEST OF ENGLAND.—Well-established business, conveniently fitted and well stocked; ample premises; lock-up; growing district; good reasons disposal; cash buyer only. 185/6, Office of this Paper.

CHEMIST'S Business for immediate disposal in important Sussex country town; rent £100; good house; turnover £1,100; excellent position; total ingoing £750. Apply, full particulars, A. E. Orbell, 6/7 Old Steine, Brighton, 1.

CHEMIST Business in Norfolk village (coast); no opposition; good-class trade, fresh stock; Kodak and Ucal agencies; house of five apartments; rental £50 inclusive; price all at £450. 173/4, Office of this Paper.

DRUG Store with Wine Licence for disposal, in thickly-populated district, near Bolton; good living for progressive man; turnover about £800. Apply, 327/878, Office of this Paper.

FOR Sale as a going concern, a well-established Chemist Shop, doing a lucrative business in a busy and central portion of Cork City. For particulars apply to A. M. Healy, Solicitor, Cork.

FOR SALE.—£300; village business; 17 miles from London; main Bath road; lock-up Shop; rent and rates £1 a week; remainder of lease 14 years; takings, 1937, £932. 187/37, Office of this Paper.

FULLY Fitted Chemist Shops for sale, with or without stock; low rent, small premium; stock at valuation; in London suburbs, North, North West and South districts. Apply Solicitor, 53 Woodstock Road, N.W.11.

GENUINE long-established Business for sale; same hands many years; owner retiring; London; mixed Family trade; good profits; growing locality; long lease; net profits 1937, £405; price £350; only genuine buyers with bank reference entertained. 186/18, Office of this Paper.

OLD-ESTABLISHED Business for disposal; main thoroughfare; South Coast town; suit resident proprietor; living accommodation; stock and fixtures at valuation; offer for long lease and goodwill. Apply Carpenter, Arnold & Turner, Accountants, 153 North Street, Brighton 1.

OLD-ESTABLISHED Mixed Retail Business, country; good opportunity for Qualified man with knowledge of Cattle Medicines and Photography. "Country," 175/1, Office of this Paper.

RECENTLY-OPENED Business, residential district, Clacton-on-Sea; unopposed by agreement; present takings small; season shortly commencing; nicely-fitted shop, well stocked, central corner position; small modern flat over (no bathroom); side door; plot for garden, garage, etc.; personal reason for selling; reasonable offer around £185; inspection. James, Chemist, Burrsville, Clacton, Essex.

SMALL Suburban middle-class business for sale; owner retiring; suit lady; doing about £13 weekly; N.H.I. increasing; house attached; easy terms available. 184/4, Office of this Paper.

£275.—CASH RETAIL N.H.I.; established 51 years; owner retiring; conditions for new lease could be discussed; main London road; good position. Particulars from Danwer, 186/3, Office of this Paper.

BUSINESSES WANTED

6s. for 50 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

DRUG STORES.—General Business or Small Pharmacy wanted; or suitable premises with living accommodation, preferably within 100 miles of Gloucester; no objection to neglected concern or difficult proposition; early inspection; prompt decision and settlement; all communications treated as strictly confidential. Percival, Providence House, Wedmore, Somerset.

PREMISES FOR SALE

SHOP Premises in extensive working-class district, near Prescot, Lancashire; excellent living accommodation; Doctor, but no Chemist; £1,150 freehold; low rates. Edwin Cork, 57 Windy Arbor Road, Whiston, Prescot, Lancs.

NAMES AND ADDRESSES

When sending advertisements for any of the columns of this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not adhered to and delay and disappointment ensue. Strict attention to this detail will be appreciated.

PREMISES TO LET

EARLS COURT, S.W.5.

SMART Parade of Shop Premises in main road; multiples already in possession; rentals from £85 to £175 per annum. Herring, Son & Daw, 100c Queen Victoria Street, E.C.4. Tel.: City 7068/69/60.

HOVE, SUSSEX.—Fine Modern lock-up Shop available in Parade facing large new residential estate; excellent scope; an agreement or lease would be granted at very nomiual rent of £60 yearly. Keys with the Managing Agents, H. Francis & Co., Property Agents, "Station Parade," 92 Goldstone Villas, Hove, 3 ('phone: Hove 3075).

N.W. LONDON.—Excellent Shops in commanding position, serving densely populated district; several multiples already in possession. Herring, Son & Daw, 100c Queen Victoria Street, E.C.4. Tel.: City 7068/69/60, or Letting Office on premises—Primrose 4320.

SHOP to Let in attractive parade near Sidcup; Grocer, Tobacconist, Confectioner, Greengrocer and Electrician already trading; for Chemist this is a grand opportunity; rent low; excellent living accommodation; shopfront provided. Apply, the Owner, 27B Devonshire Street, London, W.1.

WONDERFUL OPPORTUNITY for progressive man with limited capital to start his own business. PHILIP JOSEPHS & SONS, LTD., have an option on eight sites in blocks of buildings with most of the other shops taken by large Multiple Stores and having splendid prospects for the opening of a new Pharmacy. These can be rented COMPLETE WITH SHOPFRONT, INTERIOR FITTINGS, ROUNDS, SCALES, etc., to Tenant's own design and to value of FOUR HUNDRED POUNDS, together with flat over, at a figure of from £250 per annum. There is no premium required, and no capital repayments. Only the Stock is needed. Write or call PHILIP JOSEPHS & SONS, Ltd., 90/92. St. John Street, Clerkenwell, LONDON, E.C.1. Telephone Clerkenwell 4111/2. Pharmacy Fitters for over a century.

£60 PER ANNUM, plus rates for the first 3 years; 10,000 possible customers for a big shop close to a popular Tube station in a rapidly developing district; landlords will fit a shop front for an approved tenant. For appointment to view and discuss details, write or 'phone sole agents, Eaton & Partners, Surveyors, 8 Morden Court Parade, London Road, Morden. Mit. 4176.

APARTMENTS

THE HAMPDEN RESIDENTIAL CLUB

FOR GENTLEMEN, Hampden Street, N.W.1. Close to King's Cross and Euston. 300 Bedrooms, 15s. to 22s. 6d. per week, including bath, attendance and boot cleaning. All meals à la carte, in dining room. Moderate tariff. Large Club Rooms, Library, Billiards Room, Reading Room and Study for Students. Illustrated Prospectus from Secretary. Euston 2244/5.

AGENCIES

COMMISSION Agents wanted by old-established firm of Manufacturing Chemists, to call upon Chemists and Hairdressers; liberal commission; must have good connexions. Write, with full particulars, to Lorimer-Marshall, Ltd., Tower Hill, E.C.3.

MEDICAL PROPAGANDA.—Advertiser, well known to Practitioners in chief centres of England, Scotland and Ireland, has introduced many Ethical Products by personal contact, desires Agency or Representation for an Original Product, British or Continental, or would negotiate purchase of trade rights; correspondence invited. Apply E/N/A., 188/4, Office of this Paper.

OLD-ESTABLISHED London Manufacturing House, specialising in Pills, Tablets, Toilets, etc., require Representative with live connexion among Chemists in Eire; commission basis. Write, giving full particulars as to present Agencies, ground covered, etc., 326/872, Office of this Paper.

BUSINESS OPPORTUNITIES

MANEX, LTD. (*In Voluntary Liquidation.*)

THE Liquidator is prepared to consider offers for the sale of the Stock in Trade, Trade Marks, and Goodwill of the above business, either as a whole or separately.

The Stock would be divided into suitable lots to suit the convenience of purchasers.

All communications should be addressed to The Liquidator, Mr. P. C. Parker, 64A Bridge Street, Manchester, 3.

The Trade is advised that all Manex preparations may be obtained as previously through the usual Wholesalers, or direct from the Factory at Barton. Cash with Order.

CONTINENTAL Firm of repute desires financial co-operation with British firm of Pharmaceutical Manufacturers, with a view to developing British and Dominion business. Principals only. Box 9410, General Advertising Co., 44 Chancery Lane, London, W.C.2.

APPOINTMENTS

CITY OF LEICESTER EDUCATION COMMITTEE
COLLEGE OF TECHNOLOGY AND COMMERCE

Principal: L. W. Kershaw, B.Sc., A.M.Inst.C.E., F.G.S.

APPLICATIONS are invited for the post of full-time Lecturer in Pharmaceutics in the School of Pharmacy.

Salary in accordance with the Burnham Scale.

Applications by letter, giving full particulars of training and experience, and accompanied by three recent testimonials, should reach the Registrar of the College not later than Monday, the 13th June, 1938.

F. P. ARMITAGE,
Director of Education.

23rd May, 1938.

ROYAL SUSSEX COUNTY HOSPITAL, BRIGHTON.
(Beds 272.)

ASSISTANT Dispenser (male), Qualified, required; commencing salary £200 per annum (Federated Superannuation Scheme in force). Applications together with recent testimonials should be sent immediately to the undersigned, from whom information concerning the post can be obtained.

L. L. W. LANCASTER-GAYE,
Secretary Superintendent.

SITUATIONS OPEN

RETAIL (HOME)

6s. for 40 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BIRMINGHAM.—Junior (male); good Counterman; please state experience, age, references and salary required. 186/12, Office of this Paper.

BIRMINGHAM.—Junior, Unqualified Assistant required; opportunity for smart man. Write with details to 327/881, Office of this Paper.

BLACKPOOL.—Unqualified Assistant, male preferred (20 to 25), immediately, until October 1; must have had some experience in D. and P. Give usual particulars to F. Dickinson, M.P.S., 165 Church Street, Blackpool.

BRIXTON HILL, S.W.2.—Holiday Assistant, Unqualified (Locum), wanted middle July and August (part time might be considered). J. B. Frank, Chemists, 111 Brixton Hill, London, S.W.2.

BUXTON, DERBYSHIRE.—Required immediately, an Unqualified male Assistant (age 20 to 30), with experience in high-class Dispensing; state wages and experience and enclose snap if possible. Abbott, 1 High Street, Buxton, Derbyshire.

KENT COAST.—Qualified Assistant, Lady or Gentleman, required for Dispensing and little Counter. Apply, with full particulars, enclosing photo if possible, Alexander Bottle & Co., 37 Townwall Street, Dover.

LONDON.—A Private Company with a number of Branches desire a Young Qualified Relief Manager; this is a permanent position, giving very good experience; and the prospect of the first available managerial vacancy; only keen men willing to adapt themselves to new ideas, and with personality, need apply. 187/53, Office of this Paper.

LONDON.—Qualified Locum required for two weeks, starting July 18. Full particulars to "Chemist," 16 Hampden Square, Southgate, N.14.

LONDON, S.E.—Experienced, Unqualified Lady Assistant required; permanency; used to Counter Trade, N.H.I. Dispensing and accustomed to some Photographic Sales; 5½-day week; a good salary will be paid to suitable applicant. Fullest particulars as to experience, age, etc., to 188/20, Office of this Paper.

LONDON, S.E.—Qualified Junior Assistant wanted at once or shortly; salary £4 10s. per week; please give full particulars; an interview can be arranged. 187/38, Office of this Paper.

LONDON, S.E.2.—Qualified Locum required for two weeks July or last two weeks in August; one assistant kept; no Sunday or half-day duty; would suit elderly man. Particulars, terms, to Ridings, Ltd., 9 Wickham Lane, S.E.2. 'Phone: Woolwich 0636.

LONDON, S.W.—Junior Assistant required (Male), young Unqualified, for high-class Dispensing business. Apply, stating usual particulars, to A. E. & G. L. Weston, 284 High Road, Streatham, S.W.16.

LONDON, S.W.15.—Qualified Assistant, male, required at once for high-class Dispensing business. Apply, with full particulars, to W. Framingham, T. Jones & Co., 5 Putney Hill, S.W.15.

LONDON, W.—Qualified Assistant wanted; good Salesman, West End experience. Application by letter first, giving full particulars, age, experience, salary, etc., to Hayman & Freeman, 93 Piccadilly, London, W.1.

LONDON, W.1.—Junior Assistant, Qualified (male) required; excellent opportunity to gain first-class experience; salary £4 5s. weekly, with good prospects. Full particulars, age, height, and previous experience. 326/866, Office of this Paper.

LONDON, W.1.—Qualified Assistant wanted for high-class West End business; good Salesman and good appearance essential. Apply, with full particulars re age, height, experience and salary required, A. B. C., 188/12, Office of this Paper.

LONDON, W.1.—Unqualified Assistant (male), required for good class Dispensing business; excellent prospect. Full particulars, age, height, experience and salary expected. 326/867, Office of this Paper.

MANCHESTER.—Qualified man required June to September inclusive; permanency for suitable applicant. State age, experience and salary required; enclose photograph if convenient. Walter Lord, Ltd., 158 Hyde Road, Gorton, Manchester.

MANCHESTER.—Qualified Manager, preferably with knowledge of Optics, for suburban shop, with flat over; state age, experience and salary required and when interview can be arranged. 186/21, Office of this Paper.

MANCHESTER.—Qualified Manager required to take charge, July 4 to July 30 inclusive. Corwen, 4 King Edwards Buildings, Cheetham Hill.

MIDLANDS.—Qualified Assistant required for Counter and Dispensing (age about 25-35); must be keen and courteous Salesman, good Prescriber and reliable. Apply, with full particulars of age, experience, references, salary, to 187/18, Office of this Paper.

PHOTOGRAPHS, TESTIMONIALS, &c.

When replying to advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. Many of these announcements produce an exceptionally large response and, as can be readily understood, the task of returning photographs, testimonials, &c., is one of some difficulty.

NORTHAMPTON.—Assistant, male (not over 35), required at once for two or three months, for high-class private Dispensing and light Retail. Experiences, references and salary required to McKinnell, Ltd., Chemists, Northampton.

SHEFFIELD.—Unqualified Assistant, with experience in high-class business, for Counter, Window-dressing and Photography; in first letter give age, height and state where and duration of each post held. Enclose recent photograph, state salary required and when at liberty to Mr. Austen, Newsholme's, Ltd., 27 High Street, Sheffield.

SOUTHAMPTON District.—For branch shop, Qualified Assistant, either sex, chiefly for Dispensing, but one with good all-round training, required; knowledge of Photography preferred; full details, with photo if possible, in first letter; personal interview essential. 187/32, Office of this Paper.

SOUTH COAST.—Capable Unqualified Assistant (male), with good-class Dispensing and Counter experience, required; permanency. Apply, with full particulars, to 187/44, Office of this Paper.

SOUTH CROYDON.—Junior Assistant required (age 20-23); good Window-dresser. Enclose photo, stating salary, references, to S. A. Noble, Selsdon Road, South Croydon.

SURREY.—A Young energetic Junior Lady Assistant required for quick Cash business; tactful Saleswoman, able to assist in Dispensing and to keep books and accounts. State age, height, experience and salary (outdoors). 188/19, Office of this Paper.

SURREY.—Unqualified Young Junior Assistant (male) required; Dispensing, Photographic and Counter work, in good-class business. Apply, giving full particulars and salary required, 188/10, Office of this Paper.

YORKSHIRE.—Unqualified Assistant required; accurate Dispenser, good Window-dresser. Write 327/882, Office of this Paper.

A.—QUALIFIED Lady or Gentleman required to manage small branch business, early in June; must be good Window-dresser and N.H.I. Dispenser; preference given to one requiring permanency; salary and commission. Apply by letter in first instance, C. A. Moore, M.P.S., 350 Eastern Avenue, Ilford.

A YOUNG Qualified Assistant (male) required; must be of good appearance, good Salesman and well recommended; permanency; also Unqualified Improver required. Apply, The Manager, Williams (Cash Chemists), Ltd., 14A Argyll Street, Oxford Circus. Personal application preferred.

ASSISTANT (age 25-30), Surgical Stores, Birmingham district; Salesman, experienced Fitting Belts and Trusses; state experience, salary required. 187/12, Office of this Paper.

ASSISTANT (male), Unqualified, for Dispensing, Counter and Window-dressing, in middle-class Pharmacy; must be trustworthy, reliable and obliging. Please forward usual particulars, age, height, photo and salary required, to L. A. James, 6 Grange Parade, Uxbridge Road, Hayes, Middlesex.

ASSISTANT, Unqualified, for a high-class Dispensing business; some knowledge of Photography an advantage. Apply, with usual particulars, to C. W. Higgins, Dispensing Chemist, 47 Market Place, Salisbury.

ASSISTANT, Unqualified (male), required until about October; please state age, height, experience, snap if possible, and salary required. Apply, B. Fish, "Sevena," Albert Square, Great Yarmouth.

ASSISTANT with experience of middle-class trade and N.H.I. Dispensing, for Holiday Relief Work; about three months; Qualification not essential; give particulars of experience, names of references, age, when disengaged, salary expected. Apply (letter only), Chemist, 37 Sydner Road, London, N.16.

ASSISTANT, young gentleman of good address and education, accustomed high-class business; just out apprenticeship would suit; permanency; sound knowledge Dispensing and Salesmanship essential; week's holiday end September. Matthews & Son, 97 George Lane, South Woodford, Essex.

ASSISTANTS (two), one Qualified, one Unqualified; accustomed good-class business; early July to October 1; return fare London paid. State experience, age, height, when available; salary required; enclose references and photo (returnable). C. Bayley, 25 Connaught Avenue, Frinton-on-Sea.

CHEMIST (male) Assistant required for large Pharmacy, and as Manager's relief, with good prospects of succession to Branch Managership. Apply immediately for application form to the Ten Acres and Stirchley Co-operative Society, Ltd., Stirchley, Birmingham.

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FINAL Exam. Results.—Vacancy until known; if successful, until end August; permanency available if suitable; high-class pharmacy London suburb; applicant must possess refinement and personality. 187/19, Office of this Paper.

JUNIOR Assistant required for good-class Dispensing and Photographic business; state age, salary and give references; photo if possible. Apply W. H. Woodman, Chemist, Burnham-on-Sea.

JUNIOR required for Pharmacy in Notting Hill Gate, W.11 (age 21-24). Apply, with particulars, to 327/874, Office of this Paper.

LADY Assistant, Unqualified, with good general experience; permanency; give particulars of experience, age and salary. Edgar Davies, 59 Dudden Hill Lane, Willesden, London, N.W.10.

LADY Assistant wanted for high-class Counter trade; permanency. Will Stretford applicant please apply again? Kirkman, New Milton.

LOCUM, Qualified, Lady or Gentleman, from July 4 to August 27, inclusive. Particulars to Thomas, 25 Station Parade, Queensbury, Edgware. Edgware 0710.

M.P.S.—YOUNG Lady required for a Departmental Store in the North, closing half day Saturday. Apply, stating age, experience, salary required and enclosing photograph, which will be returned, 327/873, Office of this Paper.

OWNER of profitable medium-class Chemist business with other interests requires a Qualified, good Salesman to entirely manage same; the right man will be given partnership later; must have £350 cash against stock, in charge, £500-£600; salary £5 with half net profits; W.2. district. 188/22, Office of this Paper.

PART-TIME, Qualified Dispenser; four or five evenings weekly; South London. Apply 188/17, Office of this Paper.

PHARMACY.—Unqualified male Assistant required. Apply in writing, stating age and experience, to the Staff Manager, Royal Arsenal Co-operative Society, 113 Powis Street, Woolwich, S.E.18. Endorse envelopes "Pharmacy." *Note.*—Canvassing of members of the General Committee or officials will disqualify.

QUALIFIED (age 24-30), for good-class business; capable Salesman, and pleasing manner; knowledge of Photography and Toilets; permanency; please give full particulars and enclose photo. Vint & Co., Ltd., White Rock, Hastings.

QUALIFIED Assistant, experienced, for high-class Pharmacy in City of London; excellent prospects for suitable applicant. "A.," 327/884, Office of this Paper.

QUALIFIED Assistant, for permanency, accustomed to N.H.I. and Photography, required for June 13 for main road branch. Full particulars must be stated in first letter, or phone HOP 2775. Apply, The Superintendent, Austins, Ltd., 198 Bermondsey Street, S.E.1.

QUALIFIED Assistant required for first-class West End business; state experience and salary required to 187/39, Office of this Paper.

QUALIFIED Assistant required; married; high-class business in Surrey; living accommodation over shop. Give full particulars, age, experience and salary required, to 327/885, Office of this Paper.

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UNQUALIFIED Assistant (male preferred but not essential); must be quick and accurate Dispenser and good Counter hand; high-class Dispensing business. Full particulars to Watson, Chemist, Lincoln.

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UNQUALIFIED Assistant required (N. London); Dispensing, Window-dressing and General Routine; permanency if suitable. Send usual particulars to G. Findlay, Chemist, 14 The Broadway, Edmonton, N.9.

UNQUALIFIED Junior Assistant required from June 16 (not later) for 3 or 4 months. Usual particulars to J. K. Harvey, M.P.S., Chemist, Mitcham, Surrey.

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QUALIFIED Dispenser (London Society), some experience, will make himself generally useful to Doctor or Hospital; excellent references; collected accounts, kept books, etc. 327/877, Office of this Paper.

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QUALIFIED (35), married, good all-round experience, desires permanency as Manager or Senior in Brighton district; disengaged shortly; locum engagements considered. "Raddats," 9 Clifton Place, Brighton.

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